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SURVEY OF TECHNOLOGY WITH POSSIBLE APPLICATIONS TO
UNITED STATES COAST GU. (U) COAST GUARD RESEARCH AND
DEVELOPMENT CENTER GROTON CT S ALLEN ET AL. SEP 87

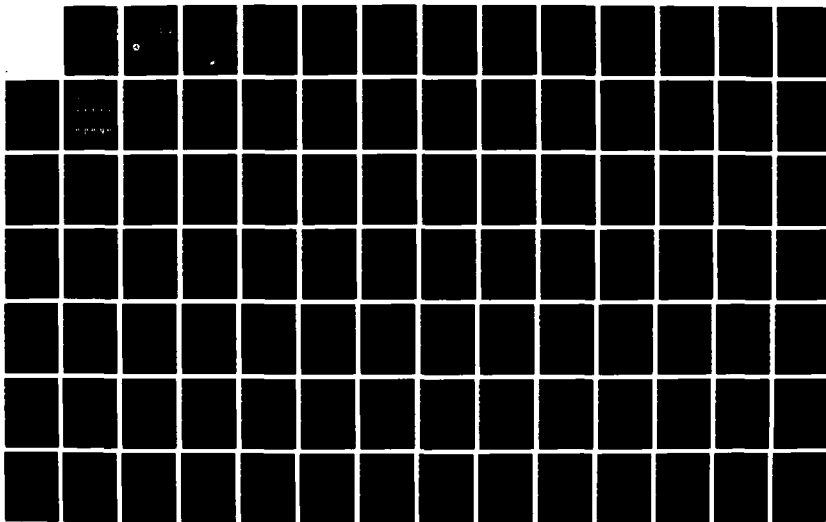
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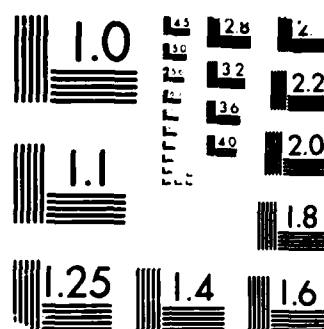
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MICROCOPY RESOLUTION TEST CHART
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Report No. CG-D-06-88

DTIC FILE 0021

**SURVEY OF TECHNOLOGY WITH POSSIBLE APPLICATIONS
TO UNITED STATES COAST GUARD BUOY TENDERS**

VOLUME III - TECHNOLOGY CHARACTERIZATION

AD-A193 920

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AVERY POINT, GROTON, CONNECTICUT 06340-6096



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SEPTEMBER 1987**

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Washington, DC 20593

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Technical Report Documentation Page

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16. Abstract <p>This report is divided into three volumes. Volume I, "Technology Assessment", contains state-of-the-art summaries and projected trends for major technology areas pertinent to buoy tender design. Volume II, "Literature Abstracts", contains an annotated bibliography of the citations obtained during the technology survey. Volume III, "Technology Characterization", contains a description of the relational model and documentation of the computerized database used for storage and analysis of buoy tender data.</p> <p>Volumes I, II, and III are contained within separate binders due to size considerations. Detailed abstracts of Volumes I and II may be found within each volume. What follows is the abstract for only Volume III.</p> <p>Volume III, "Technology Characterization", consists of a Marine Technology Database (MTD) containing buoy tender data developed in this survey. The MTD is maintained at the U.S. Coast Guard Research and Development Center located at Groton, CT. Within this binder is the "Marine Technology Database User's Guide and Documentation".</p>					
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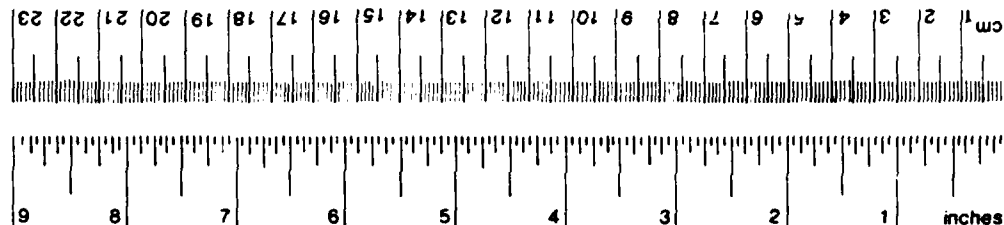
METRIC CONVERSION FACTORS

Approximate Conversions to Metric Measures

Symbol When You Know Multiply By To Find Symbol

		LENGTH	
in	inches	* 2.5	centimeters
ft	feet	30	centimeters
yd	yards	0.9	meters
mi	miles	1.6	kilometers
		AREA	
in ²	square inches	6.5	square centimeters
ft ²	square feet	0.09	square meters
yd ²	square yards	0.8	square meters
mi ²	square miles	2.6	square kilometers
	acres	0.4	hectares
		MASS (WEIGHT)	
oz	ounces	28	grams
lb	pounds	0.45	kilograms
	short tons (2000 lb)	0.9	tonnes
		VOLUME	
tsp	teaspoons	5	milliliters
tbsp	tablespoons	15	milliliters
fl oz	fluid ounces	30	milliliters
c	cups	0.24	liters
pt	pints	0.47	liters
qt	quarts	0.95	liters
gal	gallons	3.8	liters
ft ³	cubic feet	0.03	cubic meters
yd ³	cubic yards	0.76	cubic meters
		TEMPERATURE (EXACT)	
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature

* 1 in = 2.54 (exactly) For other exact conversions and more detailed tables, see NBS Misc. Publ. 286, Units of Weights and Measures. Price \$2.25.
SD Catalog No. C 13.10.286



Approximate Conversions from Metric Measures

Symbol When You Know Multiply By To Find Symbol

		LENGTH	
mm	millimeters	0.04	inches
cm	centimeters	0.4	inches
m	meters	3.3	feet
m	meters	1.1	yards
km	kilometers	0.6	miles
		AREA	
cm ²	square centimeters	0.16	square inches
m ²	square meters	1.2	square yards
km ²	square kilometers	0.4	square miles
ha	hectares (10,000 m ²)	2.5	acres
		MASS (WEIGHT)	
g	grams	0.035	ounces
kg	kilograms	2.2	pounds
t	tonnes (1000 kg)	1.1	short tons
		VOLUME	
ml	milliliters	0.03	fluid ounces
l	liters	0.125	cups
l	liters	2.1	pints
l	liters	1.06	quarts
l	liters	0.26	gallons
m ³	cubic meters	35	cubic feet
m ³	cubic meters	1.3	cubic yards
		TEMPERATURE (EXACT)	
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature

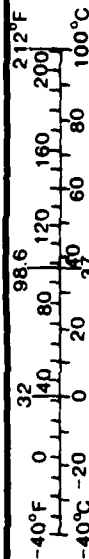


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1.0 Background

This report serves two purposes. The first is to document the steps undertaken in designing a "Marine Technology Database" (MTD) model for the Ocean Engineering Branch (OEB) of the U. S. Coast Guard Research & Development Center (R&DC). Secondly, the report functions as a User's Guide for the MTD System. This effort constitutes partial completion of one of the tasks outlined in the document "Proposed Method of Information Presentation" prepared by OEB in December 1986 (Reference 1). That document responded to a request from the Coast Guard's Office of Acquisition to perform a series of technology surveys in support of the WLB/WLM Capability Replacement Project (Reference 2). The design and development of the system was performed by a representative of Vanguard Technologies Corporation under GSA Task Order No. 217816 (Reference 3) and fulfills the requirements as set forth for "Deliverables 4, 5, & 6" of the GSA task order.

2.0 Introduction

The U. S. Coast Guard's Office of Acquisition has been tasked with the procurement of a ship system to replace the present aging buoy tender fleet. The current mission needs statement requires a multi-mission platform capable of performing functions not normally expected of the present class of ships. Essentially, OEB was tasked with performing a series of technology surveys to provide the Office of Acquisition with timely information on Aids to Navigation practices, marine vessels used throughout the world for buoy tending and offshore supply purposes, and on marine subsystems associated with various aspects of ship technology.

Eight areas of interest have been identified and are being investigated by OEB. These include Aids to Navigation (foreign and domestic practices), foreign Aids to Navigation tenders, Offshore/Support/Work vessels, hull configurations, propulsion systems, propulsor systems, weight handling systems, and vessel automation sub-systems. The initial presentation of the technology assesement will be via a narrative report; to support future analysis requirements, a computerized database is being developed for certain of the catagories mentioned above.

3.0 Approach

In analyzing the requirements for the Marine Technology Database, it became apparant that it is in the best interests of the U. S. Coast Guard to centralize and standardize database management systems insofar as areas of application are concerned. The R&D Center had previously been tasked, through the Advanced Marine Vehicles (AMV) project, to

develop a Ship Information database. This system is intended, among other purposes, to be used for capturing data gathered during ship testing programs. The design, produced by the Marine Systems Branch (MSB) of the R&D Center, has been completed and a contract will be awarded in the near future for implementation of the system.

The decision was made prior to inception of the current project to implement the AMV database via the 4th Generation Language FOCUS on a DEC Microvax II supermicro system (App C contains available documentation on the AMV System). In the interests of standardization and to facilitate sharing of data between the two systems, the decision was made by OEB to develop the MTD system in the same environment. The fact that FOCUS contains a sophisticated query language should enable extensive "ad hoc" reporting from both systems in the future by casual users.

4.0 MTD Model

A preliminary analysis of the eight areas of interest was performed to determine suitability for incorporation into a computerized database and, if suitable, to determine if the AMV system would be the appropriate system. Foreign Aids to Navigation practices was determined to be a subject area best left in document form; no particular advantage in building a computerized database in this area can be seen at this time. Specifications on both foreign buoy tenders and various offshore/supply/work vessels (domestic and foreign) can be entered into the AMV database system; the structure is appropriate.

The five remaining marine technology areas, hull configurations, propulsion systems, propulsor systems, weight handling systems, and vessel automation systems, were settled on for inclusion into the MTD system. The MTD design consists of a master file description for each of the five topics, with two auxiliary files containing manufacturer/vendor information and literature search data. Each of the five master files contains a segment which can be used to enter vessel identification codes compatible with the AMV system. (A particular hull configuration might be represented in the AMV system by a number of different ships, for example.) This mechanism will be the link between the two database management systems.

Detailed specifications of the MTD model can be found in Appendix A of this report. These include FOCUS Master File Descriptions for the five main files and the two auxiliary files, FOCUS "Picture" diagrams for each file, and the data entry formats for each field of each file.

5.0 Implementation

File maintenance routines incorporating Add, Change, and Delete logic and standard reporting programs were developed for each file and integrated into a single menu driven application. The system is presently mounted on the Marine Systems Branch's DEC Microvax II. Appendix B contains the FOCUS

"FOCEXEC" routines that form the application as well as documentation on how to use the system.

6.0 Summary

The nature of the WLB/WLM Technology Survey project is such that it is anticipated that reporting requirements will become more defined as time goes on. The prototype system developed should be viewed as any other model; changes in the database structure are to be expected and can be responded to as long as proper procedures are followed. Particular attention will need to be paid to documentation of the system to ensure that users are kept up to date after each change is made.

7.0 References

- (1) U. S. Coast Guard R&D Center, Ocean Engineering Branch,
Proposed Method Of Information Presentation, WLB/WLM Capability
Replacement Project 9207.1.2.3, December 1986.
- (2) U. S. Coast Guard Headquarters, Office Of Acquisition, Work
Task Assignment, Technology Surveys, Task 205.06.4.1, WLB/WLM
Capability Replacement Project, October 1986.
- (3) U. S. Coast Guard R&D Center, GSA Task Order Number 217816,
February 1986.

APPENDIX A

MTD Database Specifications
And Data Entry Formats

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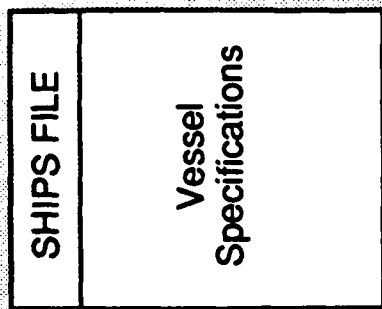
1.0 Introduction

The enclosed documentation presents a logical design of the Marine Technology Database. Following the system file diagram on the next page, detailed descriptions of the HULLCNFG, PROPULSN, PROPULSR, WGTHANDL, VESSAUTO, MFRREF, and OEBREF files are presented.

It is anticipated that structures will change as the project progresses; it may prove neccessary, for example, to create a new file to handle a specific area such as ride control systems in more detail. As the database is implemented on the MicroVAX II, special attention will need to be paid to "version control" and system documentation.

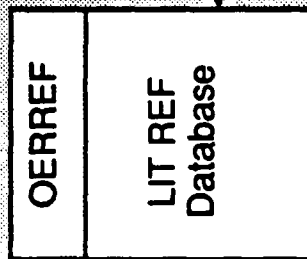
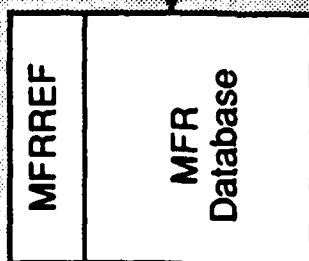
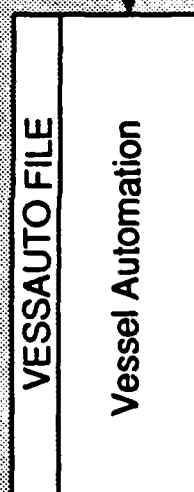
Marine Technology Database

AMV System



(Specific Ship Orientation)

SHIP_ID FIELD



3.0 File HULLCNFG (Hull Configurations)

The Hull Configuration file provides the means for storing data on various hull designs. Using a combination of a standard hull type code and a standard hull subtype code as an entry key to the file, three types of information will be available as follows:

- a) Hull design descriptions and specifications for a number of designs associated with each HULL-TYP/HULL-STYP
- b) Listing of ships conforming to the HULL-TYP/HULL-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).
- c) Listing of literature references cataloged by OEB on the HULL-TYP/HULL-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.

```
01          S2      NULLS
..          ..      ..
..          ..      ..
..HULL_TYP    ..      ..
..HULL_STYP   ..      ..
..HULL_COM1   ..      ..
..HULL_COM2   ..      ..
..            ..      ..
```

[illegible][illegible]

```

$-----$
$          3.2 MASTER FILE DESCRIPTION FOR 'HULLCNFG'          $
$
$ THE HULL CONFIGURATION FILE CONTAINS DATA ON VARIOUS TYPES OF SHIP $
$ HULLS. REFER TO THE DOCUMENT "MARINE TECHNOLOGY DATABASE (MTD) $
$ USER'S GUIDE" FOR MORE INFORMATION. $
$-----$
$ DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH $
$ DESIGNED BY    : M. J. STEVENS (VTC) $
$ DATE LAST REV  : 5/11/87 $
$-----$
$
FILE=HULLCNFG, SUFFIX=FOC
  SEGNAME=HULLS, SEGTYPE=S2
    FIELD=HULL_TYP      ,ALIAS=HTYP      ,FORMAT=A6
    FIELD=HULL_STYP     ,ALIAS=HSTYP     ,FORMAT=A4
    FIELD=HULL_COM1     ,ALIAS=HCOM1     ,FORMAT=A70
    FIELD=HULL_COM2     ,ALIAS=HCOM2     ,FORMAT=A70
    FIELD=HULL_COM3     ,ALIAS=HCOM3     ,FORMAT=A70
$+++++$
  SEGNAME=HULLDESN, PARENT=HULLS, SEGTYPE=S2
    FIELD=MFR_ID       ,ALIAS=MID       ,FORMAT=A5
    FIELD=MFR_NO       ,ALIAS=MNO       ,FORMAT=A12
    FIELD=MFR_COM1     ,ALIAS=MCOM1     ,FORMAT=A70
    FIELD=MFR_COM2     ,ALIAS=MCOM2     ,FORMAT=A70
    FIELD=MFR_COM3     ,ALIAS=MCOM3     ,FORMAT=A70
  SEGNAME=HULLDESC, PARENT=HULLDESN, SEGTYPE=U
    FIELD=HULL_SHAPE   ,ALIAS=HSHP     ,FORMAT=A6
    FIELD=HULL_BTYP    ,ALIAS=HBTYP    ,FORMAT=A6
    FIELD=HULL_RTYP    ,ALIAS=HSTYP    ,FORMAT=A6
    FIELD=HULL_MAT     ,ALIAS=HMAT     ,FORMAT=A20
    FIELD=HULL_PTHCK   ,ALIAS=HPT      ,FORMAT=F6.4
    FIELD=HULL_FTYPE   ,ALIAS=HFTYP    ,FORMAT=A10
    FIELD=HULL_WGRPS   ,ALIAS=HWG      ,FORMAT=I2
    FIELD=HU_COM1      ,ALIAS=HUCOM1    ,FORMAT=A70
    FIELD=HU_COM2      ,ALIAS=HUCOM2    ,FORMAT=A70
    FIELD=HU_COM3      ,ALIAS=HUCOM3    ,FORMAT=A70
  SEGNAME=HULLSPEC, PARENT=HULLDESC, SEGTYPE=U
    FIELD=HULL_LOA     ,ALIAS=HLOA     ,FORMAT=F6.1
    FIELD=HULL_LBP     ,ALIAS=HLBP     ,FORMAT=F3.1
    FIELD=HULL_BEAM    ,ALIAS=HBM      ,FORMAT=F4.1
    FIELD=HULL_MX_DRFT ,ALIAS=HMXDFT   ,FORMAT=F3.1
    FIELD=HULL_MN_DRFT ,ALIAS=HMNDFT   ,FORMAT=F3.1
    FIELD=HULL_LS_DRFT ,ALIAS=HLSDFT   ,FORMAT=F3.1
    FIELD=HULL_FBD     ,ALIAS=HFBD     ,FORMAT=F3.1
    FIELD=HULL_FL_DIS  ,ALIAS=HDIS     ,FORMAT=F7.1
    FIELD=HULL_DWT     ,ALIAS=HDWT     ,FORMAT=F7.1
    FIELD=HULL_DRA_ST  ,ALIAS=HDRAS    ,FORMAT=F4.1
    FIELD=HULL_DRA_MC  ,ALIAS=HDRAM    ,FORMAT=F4.1
    FIELD=HULL_MX_DPTH ,ALIAS=HMXD     ,FORMAT=F3.1
    FIELD=HULL_BLK_CO  ,ALIAS=HBCF     ,FORMAT=F4.1
    FIELD=HULL_PRIS_CO ,ALIAS=HPCF     ,FORMAT=F4.1
    FIELD=SPEC_COM1    ,ALIAS=SCOM1    ,FORMAT=A70
    FIELD=SPEC_COM2    ,ALIAS=SCOM2    ,FORMAT=A70
    FIELD=SPEC_COM3    ,ALIAS=SCOM3    ,FORMAT=A70
  SEGNAME=RIDECNTR, PARENT=HULLSPEC, SEGTYPE=U
    FIELD=CNTR_TYPE    ,ALIAS=CTYP     ,FORMAT=A4
    FIELD=CNTR_DESC    ,ALIAS=CDSC     ,FORMAT=A40
    FIELD=CNTR_COM1    ,ALIAS=CCOM1    ,FORMAT=A70

```


3.3 File HULLCNFG (Hull Configurations) Data Entry Formats

Field Name	Max Width	Field Description
Segment: HULLS		Main segment in file; two part key using HULL-TYP and HULL-STYP for access to the file
HULL-TYP	6(A)	Standard code for hull type; ex SWATH, SES, DIS, etc.
HULL-STYP	4(A)	Standard code for hull subtype; ex DEST, TWLR (trawler etc.)
HULL-COM1	70(A)	General comment field 1
HULL-COM2	70(A)	General comment field 2
HULL-COM3	70(A)	General comment field 3
Segment: HULLDESN		Controlling segment of file for detailed data on hull designs
MFR-ID	5(A)	Manufacturer or Naval Architect/Design firm (code number) responsible for design
MFR-NO	12(A)	Manufacturer or design firm's designation code/serial number for design
MFR-COM1	70(A)	General comment field 1
MFR-COM2	70(A)	General comment field 2
MFR-COM3	70(A)	General comment field 3
Segment: HULLDESC		Unique segment associated with each iteration of the HULLDESN segment containing general descriptive data on the hull
HULL-SHAPE	6(A)	Standard code for hull shape; ex RDB (round bottom), DVEE etc.
HULL-BTYP	6(A)	Standard code for bow type; ex BULB (bulbous), CONE, etc.
HULL-RTYP	6(A)	Standard code for stern type; ex CAN (canoe), CNT (counter), etc.
HULL-MAT	20(A)	Material used in construction of hull
HULL-PTHCK	2(N).4(N)	Plate thickness if applicable
HULL-FTYP	10(A)	Framing type used in construction
HULL-WGRPS	2(N)	Number of watertight compartment groups in hull
HU-COM1	70(A)	General comment field 1
HU-COM2	70(A)	General comment field 2
HU-COM3	70(A)	General comment field 3
Segment: HULLSPEC		Unique segment associated with each iteration of the HULLDESN segment containing specifications of the hull

HULL-LOA	5(N).1(N)	Length overall of the hull
HULL-LBP	2(N).1(N)	Length between perpendiculars
HULL-BEAM	3(N).1(N)	Max beam of hull
HULL-MX-DRFT	2(N).1(N)	Max draft of hull
HULL-MN-DRFT	2(N).1(N)	Mean draft of hull
HULL-LS-DRFT	2(N).1(N)	Light ship draft
HULL-FBD	2(N).1(N)	Freeboard of hull
HULL-FL-DIS	6(N).1(N)	Full load displacement of hull
HULL-DWT	6(N).1(N)	Hull deadweight
HULL-DRA-ST	3(N).1(N)	Deadrise angle at stern
HULL-DRA-MC	3(N).1(N)	Deadrise angle at midchine
HULL-MX-DPTH	2(N).1(N)	Max depth of hull
HULL-BLCK-CO	3(N).1(N)	Block coefficient of hull
HULL-PRIS-CO	3(N).1(N)	Prismatic coefficient of hull
SPEC-COM1	70(A)	General comment field 1
SPEC-COM2	70(A)	General comment field 2
SPEC-COM3	70(A)	General comment field 3

Segment: RIDECNTR Unique segment associated with each iteration of the HULLDESN segment containing data on the hull's ride control components

CNTR-TYPE	4(A)	Standard code for ride control technology incorporated into the hull design
CNTR-DESC	40(A)	Description of ride control technology
CNTR-COM1	70(A)	General comment field 1
CNTR-COM2	70(A)	General comment field 2
CNTR-COM3	70(A)	General comment field 3

Segment: AMVREF Controlling segment of file for cross-reference information to the AMV Ships file

SHIP-ID	5(A)	Ship ID number for ship contained in AMV database using the hull configuration; same format as that used in the AMV system
SHIP-NAME	20(A)	Name of ship in AMV Database
SHIP-FLAG	10(A)	Country ship registered in

Segment: LITREF Controlling segment of file for cross-reference information to the OEB literature reference database

REF-NUM	6(A)	Reference number; OEB internal format for literature reference numbers
REF-DESC	40(A)	Brief description of reference

4.0 File PROPULSN (Propulsion Systems)

The Propulsion System file serves the purpose of storing data on various propulsion systems available for marine power plant configurations. Data is also included on power transmission systems associated with the propulsion system. Access to the file is via a two part key consisting of the PRO-TYP and PRO-STYP fields. Standard codes are employed for each of those two fields. Three primary types of information will be available as follows:

- a) Propulsion system descriptions and specifications, including data on transmission components
- b) Listing of ships utilizing the particular propulsion system covered that have been entered into the AMV database
- c) Listing of literature references cataloged by OEB on the PRO-TYP/PRO-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.

```
PROTOP
S2
01 .....
..PRO_TYP ..
..PRO_STYP ..
..PRO_COM1 ..
..PRO_COM2 ..
.
```

[illegible][illegible]

```

$-----$
$          4.2 MASTER FILE DESCRIPTION FOR 'PROPULSN'          $
$
$ THE PROPULSION FILE CONTAINS DATA ON VARIOUS TYPES OF MARINE PROPUL- $
$ SION SYSTEMS. REFER TO THE DOCUMENT "MARINE TECHNOLOGY DATABASE $
$ (MTD) USER'S GUIDE" FOR MORE INFORMATION. $
$-----$
$ DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH $
$ DESIGNED BY    : M. J. STEVENS (VTC) $
$ DATE LAST REV  : 5/11/87 $
$-----$
$
$ FILE=PROPULSN, SUFFIX=FOC
$   SEGNAME=PROTYP, SEGTYPE=S2
$     FIELD=PRO_TYP      ,ALIAS=PTYP      ,FORMAT=A6
$     FIELD=PRO_STYP     ,ALIAS=PTYP     ,FORMAT=A4
$     FIELD=PRO_COM1     ,ALIAS=PCOM1     ,FORMAT=A70
$     FIELD=PRO_COM2     ,ALIAS=PCOM2     ,FORMAT=A70
$     FIELD=PRO_COM3     ,ALIAS=PCOM3     ,FORMAT=A70
$ ++++++$
$   SEGNAME=PROSYS, PARENT=PROTYP, SEGTYPE=S2
$     FIELD=MFR_ID      ,ALIAS=MID      ,FORMAT=A5
$     FIELD=MFR_NO      ,ALIAS=MNO      ,FORMAT=A12
$     FIELD=MFR_COM1     ,ALIAS=MCOM1     ,FORMAT=A70
$     FIELD=MFR_COM2     ,ALIAS=MCOM2     ,FORMAT=A70
$     FIELD=MFR_COM3     ,ALIAS=MCOM3     ,FORMAT=A70
$   SEGNAME=PRODESC, PARENT=PROSYS, SEGTYPE=U
$     FIELD=PRO_FNCTN    ,ALIAS=PFN      ,FORMAT=A20
$     FIELD=PRO_HP_TYP   ,ALIAS=PHPTYP   ,FORMAT=A4
$     FIELD=PRO_HP_COM   ,ALIAS=PHPCOM   ,FORMAT=A20
$     FIELD=PRO_FUEL     ,ALIAS=PFUEL    ,FORMAT=A10
$     FIELD=PRO_ST_MTHD  ,ALIAS=PSTMTH   ,FORMAT=A20
$     FIELD=PRO_TURBO    ,ALIAS=PTB      ,FORMAT=A1
$     FIELD=PR_COM1      ,ALIAS=PRCOM1   ,FORMAT=A70
$     FIELD=PR_COM2      ,ALIAS=PRCOM2   ,FORMAT=A70
$     FIELD=PR_COM3      ,ALIAS=PRCOM3   ,FORMAT=A70
$   SEGNAME=PROSPEC, PARENT=PROSYS, SEGTYPE=U
$     FIELD=PRO_HP       ,ALIAS=PHP      ,FORMAT=I5
$     FIELD=PRO_RPM       ,ALIAS=PRPM     ,FORMAT=I4
$     FIELD=PRO_VOL       ,ALIAS=PVOL     ,FORMAT=I5
$     FIELD=PRO_WEIGHT    ,ALIAS=PWGHT    ,FORMAT=F5.1
$     FIELD=PRO_LEN       ,ALIAS=PLEN     ,FORMAT=F4.1
$     FIELD=PRO_WIDTH     ,ALIAS=PWTH     ,FORMAT=F3.1
$     FIELD=PRO_HEIGHT    ,ALIAS=PHGHT    ,FORMAT=F3.1
$     FIELD=PRO_SFC       ,ALIAS=PSFC     ,FORMAT=F3.1
$     FIELD=PRO_PWR_CST   ,ALIAS=PPWRC   ,FORMAT=F4.1
$     FIELD=PRO_MNT_CST   ,ALIAS=PMCST   ,FORMAT=F4.1
$     FIELD=PRO_MNT_MHR   ,ALIAS=PMNMH    ,FORMAT=I5
$     FIELD=PRO_CYCLE     ,ALIAS=PCYCL    ,FORMAT=I1
$     FIELD=PRO_NO_CYL    ,ALIAS=PNOCYL   ,FORMAT=I2
$     FIELD=PRO_STROK     ,ALIAS=PSTROK   ,FORMAT=F3.1
$     FIELD=PRO_BORE      ,ALIAS=PBORE    ,FORMAT=F4.1
$     FIELD=PRO_MEP       ,ALIAS=PMEP     ,FORMAT=F4.1
$     FIELD=PRO_REL_RAT   ,ALIAS=PRRAT   ,FORMAT=A4
$     FIELD=PRO_ORD_TM    ,ALIAS=POTM     ,FORMAT=A10
$     FIELD=PRO_DIS       ,ALIAS=PDIS     ,FORMAT=F5.1
$     FIELD=SPEC_COM1     ,ALIAS=SCOM1   ,FORMAT=A70
$     FIELD=SPEC_COM2     ,ALIAS=SCOM2   ,FORMAT=A70
$     FIELD=SPEC_COM3     ,ALIAS=SCOM3   ,FORMAT=A70

```

```

SEGNAME=PRODRV, PARENT=PROSYS, SEGTYPE=U                      , $
FIELD=DRV_MFR          , ALIAS=DMFR          , FORMAT=I3            , $
FIELD=DRV_MOD          , ALIAS=DMOD          , FORMAT=A10           , $
FIELD=DRV_TYP          , ALIAS=DTYP          , FORMAT=A10           , $
FIELD=DRV_RED_RAT      , ALIAS=DREDR        , FORMAT=A10           , $
FIELD=DRV_VOL          , ALIAS=DVOL         , FORMAT=F4.1          , $
FIELD=DRV_WEIGHT       , ALIAS=DWEIGHT      , FORMAT=F4.1          , $
FIELD=DRV_REV          , ALIAS=DREV         , FORMAT=A1            , $
FIELD=DRV_COM1         , ALIAS=DCOM1        , FORMAT=A70           , $
FIELD=DRV_COM2         , ALIAS=DCOM2        , FORMAT=A70           , $
FIELD=DRV_COM3         , ALIAS=DCOM3        , FORMAT=A70           , $
$+++++ $
SEGNAME=AMVREF, PARENT=PROTYP, SEGTYPE=S1                    , $
FIELD=SHIP_ID          , ALIAS=SID          , FORMAT=A5            , $
FIELD=SHIP_NAME        , ALIAS=SNM          , FORMAT=A20           , $
FIELD=SHIP_FLAG        , ALIAS=SFG          , FORMAT=A10           , $
$+++++ $
SEGNAME=LITREF, PARENT=PROTYP, SEGTYPE=S1                    , $
FIELD=REF_NUM          , ALIAS=RNUM         , FORMAT=A6            , $
FIELD=REF_DESC         , ALIAS=RDSC         , FORMAT=A40           , $
$+++++ $
$                                                                $
$                                                                $
$          - END MASTER FILE DESC -                          $

```

4.3 FILE PROPULSN (Propulsion Systems) Data Entry Formats

Field Name	Max Width	Field Description
Segment: PROTYP		Main segment in file; two part key using PRO-TYP and PRO-STYP fields for access
PRO-TYP	6(A)	Standard code for propulsion system type; ex DSEL for diesel
PRO-STYP	4(A)	Standard code for propulsion system subtype; ex HS for high speed
PRO-COM1	70(A)	General comment field 1
PRO-COM2	70(A)	General comment field 2
PRO-COM3	70(A)	General comment field 3
Segment: PROSYS		Controlling segment of file for detailed data on propulsion systems.
MFR-ID	5(A)	Code number for manufacturer of system
MFR-NO	12(A)	Manufacturer's model number
MFR-COM1	70(A)	General comment field 1
MFR-COM2	70(A)	General comment field 2
MFR-COM3	70(A)	General comment field 3
Segment: PRODESC		Unique segment associated with each iteration of the Prosys segment containing general descriptive data on the system
PRO-FNCTN	20(A)	Function of the system (eg main, thruster)
PRO-HP-TYP	4(A)	Units for HP rating
PRO-HP-COM	20(A)	Comment on HP convention
PRO-FUEL	10(A)	Fuel type for system
PRO-ST-MTHD	20(A)	Starting method for system
PRO-TURBO	1(A)	Turbocharged (Y/N)
PR-COM1	70(A)	General comment field 1
PR-COM2	70(A)	General comment field 2
PR-COM3	70(A)	General comment field 3
Segment: PROSPEC		Unique segment associated with each iteration of the Prosys segment containing specifications of the system
PRO-HP	5(N)	Horsepower of system
PRO-RPM	4(N)	RPM at rated horsepower
PRO-VOL	5(N)	Volume of system
PRO-WEIGHT	4(N).1(N)	Weight of system
PRO-LEN	3(N).1(N)	Length of system
PRO-WIDTH	2(N).1(N)	Width of system
PRO-HEIGHT	2(N).1(N)	Height of system

PRO-SFC	2(N).1(N)	Specific fuel consumption
PRO-PWR-CST	3(N).1(N)	Power cost in SHP/\$
PRO-MNT-CST	3(N).1(N)	Annual maintenance costs
PRO-MNT-MHR	5(N)	Annual maintenance man-hours
PRO-CYCLE	1(N)	Engine cycles (2/4)
PRO-NO-CYL	2(N)	Number of cylinders
PRO-STROK	2(N).1(N)	Stroke of piston
PRO-BORE	3(N).1(N)	Bore of cylinder
PRO-MEP	3(N).1(N)	Mean Effective Pressure
PRO-REL-RAT	4(A)	Reliability rating of engine
PRO-ORD-TM	10(A)	Ordering lead time
PRO-DIS	4(N).1(N)	Displacement of engine
SPEC-COM1	70(A)	General comment field 1
SPEC-COM2	70(A)	General comment field 2
SPEC-COM3	70(A)	General comment field 3

Segment: PRODRV

Unique segment associated with each iteration of the Prosys segment containing data on the system's drive components

DRV-MFR	3(N)	Code number for manufacturer of drive
DRV-MOD	10(A)	Manufacturer's model number of drive
DRV-TYP	10(A)	Type of drive
DRV-RED-RAT	10(A)	Drive reduction ratio
DRV-VOL	3(N).1(N)	Volume of drive
DRV-WEIGHT	3(N).1(N)	Weight of drive
DRV-REV	1(A)	Reversing (Y/N)
DRV-COM1	70(A)	General comment field 1
DRV-COM2	70(A)	General comment field 2
DRV-COM3	70(A)	General comment field 3

Segment: AMVREF

Controlling segment of file for cross-reference information to the AMV Ships file

SHIP-ID	5(A)	Ship ID number for ship contained in AMV database using the propulsion system; same format as that used in the AMV system
SHIP-NAME	20(A)	Name of ship in AMV Database
SHIP-FLAG	10(A)	Country ship registered in

Segment: LITREF

Controlling segment of file for cross-reference information to the OEB literature reference database

REF-NUM	6(A)	Reference number; OEB internal format for literature reference numbers
REF-DESC	40(A)	Brief description of reference

5.0 FILE PROPULSR (Propulsor Systems)

The Propulsor file provides a means of storing data on various propulsor systems. Using a combination of a standard propulsor type code and a standard propulsor subtype code as an entry key to the file, three types of information will be available as follows:

- a) Propulsor system descriptions and specifications for a number of designs currently and potentially available associated with each PROP-TYP/PROP-STYP
- b) Listing of ships conforming to the PROP-TYP/PROP-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).
- c) Listing of literature references cataloged by OEB on the PROP-TYP/PROP-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.

```

PROTYP
S2
01 .....
*PRO_TYP .....
*PRO_STYP .....
*PRO_COM1 .....
*PRO_COM2 .....

```

[illegible][illegible]

```

$-----$
$          5.2 MASTER FILE DESCRIPTION FOR 'PROPULSR'          $
$-----$
$ THE PROPULSOR FILE CONTAINS DATA ON VARIOUS TYPES OF MARINE PROPUL- $
$ SOR SYSTEMS. REFER TO THE DOCUMENT "MARINE TECHNOLOGY DATABASE (MTD) $
$ USER'S GUIDE" FOR MORE INFORMATION.                          $
$-----$
$ DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH    $
$ DESIGNED BY    : M. J. STEVENS (VTC)                          $
$ DATE LAST REV  : 5/11/87                                       $
$-----$
$
FILE=PROPULSR, SUFFIX=FOC
SEGNAME=PROTYP, SEGTYPE=S2
  FIELD=PRO_TYP      ,ALIAS=PTYP      ,FORMAT=A6
  FIELD=PRO_STYP     ,ALIAS=PSTYP     ,FORMAT=A4
  FIELD=PRO_COM1     ,ALIAS=PCOM1     ,FORMAT=A70
  FIELD=PRO_COM2     ,ALIAS=PCOM2     ,FORMAT=A70
  FIELD=PRO_COM3     ,ALIAS=PCOM3     ,FORMAT=A70
$+++++$
SEGNAME=PROSYS, PARENT=PROTYP, SEGTYPE=S2
  FIELD=MFR_ID       ,ALIAS=MID       ,FORMAT=A5
  FIELD=MFR_NO       ,ALIAS=MNO       ,FORMAT=A12
  FIELD=MFR_COM1     ,ALIAS=MCOM1     ,FORMAT=A70
  FIELD=MFR_COM2     ,ALIAS=MCOM2     ,FORMAT=A70
  FIELD=MFR_COM3     ,ALIAS=MCOM3     ,FORMAT=A70
SEGNAME=PRODESC, PARENT=PROSYS, SEGTYPE=U
  FIELD=PRO_TRAIN    ,ALIAS=PTRN      ,FORMAT=A1
  FIELD=PRO_MAT       ,ALIAS=PMAT      ,FORMAT=A20
  FIELD=PRO_VAR_PTCH  ,ALIAS=PVARP    ,FORMAT=A1
  FIELD=PRO_CNT_PTCH  ,ALIAS=PCNTP    ,FORMAT=A1
  FIELD=PRO_FULL_REV  ,ALIAS=PFLREV   ,FORMAT=A1
  FIELD=PRO_DUCTED    ,ALIAS=PDUCT     ,FORMAT=A1
  FIELD=PRO_TUNNEL    ,ALIAS=PTUN      ,FORMAT=A1
  FIELD=PR_COM1       ,ALIAS=PRCOM1    ,FORMAT=A70
  FIELD=PR_COM2       ,ALIAS=PRCOM2    ,FORMAT=A70
  FIELD=PR_COM3       ,ALIAS=PRCOM3    ,FORMAT=A70
SEGNAME=PROSPEC, PARENT=PROSYS, SEGTYPE=U
  FIELD=PRO_DIA       ,ALIAS=PDIA      ,FORMAT=F5.1
  FIELD=PRO_WEIGHT    ,ALIAS=PWGT      ,FORMAT=F3.1
  FIELD=PRO_PTCH_MX    ,ALIAS=PPMX     ,FORMAT=F3.1
  FIELD=PRO_NO_BLDS    ,ALIAS=PNBLD    ,FORMAT=I1
  FIELD=PRO_AREA_RAT   ,ALIAS=PARAT    ,FORMAT=F5.1
  FIELD=SPEC_COM1      ,ALIAS=SCOM1    ,FORMAT=A70
  FIELD=SPEC_COM2      ,ALIAS=SCOM2    ,FORMAT=A70
  FIELD=SPEC_COM3      ,ALIAS=SCOM3    ,FORMAT=A70
SEGNAME=SHFTSPEC, PARENT=PROSYS, SEGTYPE=U
  FIELD=SH_ANGL       ,ALIAS=SANGL     ,FORMAT=F3.1
  FIELD=SH_MAT        ,ALIAS=SMAT      ,FORMAT=A20
  FIELD=SH_OD         ,ALIAS=SOD       ,FORMAT=F3.1
  FIELD=SH_ID         ,ALIAS=SID       ,FORMAT=F3.1
  FIELD=SH_SMOD       ,ALIAS=SSMOD     ,FORMAT=F5.1
  FIELD=SH_COM1       ,ALIAS=SCOM1    ,FORMAT=A70
  FIELD=SH_COM2       ,ALIAS=SCOM2    ,FORMAT=A70
  FIELD=SH_COM3       ,ALIAS=SCOM3    ,FORMAT=A70
$+++++$
SEGNAME=AMVREF, PARENT=PROTYP, SEGTYPE=S1
  FIELD=SHIP_ID       ,ALIAS=SID       ,FORMAT=A5
  FIELD=SHIP_NAME     ,ALIAS=SNM       ,FORMAT=A20

```

```

FIELD=SHIP_FLAG      ,ALIAS=SFG      ,FORMAT=A10      ,
$+++++ $
SEGNAME=LITREF, PARENT=PROTYP, SEGTYPE=S1      ,
FIELD=REF_NUM        ,ALIAS=RNUM      ,FORMAT=A6      ,
FIELD=REF_DESC       ,ALIAS=RDSC      ,FORMAT=A40     ,
$+++++ $
$
$          - END MASTER FILE DESC -
$

```

5.3 FILE PROPULSR (Propulsor Systems) Data Entry Formats

Field Name	Max Width	Field Description
Segment: PROPTYP		Main segment in file; two part key using PROP-TYP and PROP-STYP for access to file
PRO-TYP	6(A)	Standard code for propulsion system type; ex WS (water screw) etc.
PRO-STYP	4(A)	Standard code for propulsion system subtype; ex VP (variable pitch) etc.
PRO-COM1	70(A)	General comment field 1
PRO-COM2	70(A)	General comment field 2
PRO-COM3	70(A)	General comment field 3
Segment: PROPSYS		Controlling segment of file for detailed data on propulsion systems
MFR-ID	5(A)	Code number for manufacturer of system
MFR-NO	12(A)	Manufacturer's model number
MFR-COM1	70(A)	General comment field 1
MFR-COM2	70(A)	General comment field 2
MFR-COM3	70(A)	General comment field 3
Segment: PRODESC		Unique segment associated with each iteration of the PROPSYS segment containing general descriptive data on the propulsor system
PRO-TRAIN	1(A)	Propulsor trainable (Y/N)
PRO-MAT	20(A)	Material(s) system made of
PRO-VAR-PTCH	1(A)	Variable pitch technology (Y/N)
PRO-CNT-PTCH	1(A)	Controllable pitch technology (Y/N)
PRO-FULL-REV	1(A)	Fully reversible propulsor (Y/N)
PRO-DUCTED	1(A)	Ducted system (Y/N)
PRO-TUNNEL	1(A)	Tunnel technology incorporated (Y/N)
PR-COM1	70(A)	General comment field 1
PR-COM2	70(A)	General comment field 2
PR-COM3	70(A)	General comment field 3
Segment: PROSPEC		Unique segment associated with each iteration of the PROPSYS segment containing specs of the system
PRO-DIA	4(N).1(N)	Diameter of the propulsor
PRO-WEIGHT	2(N).1(N)	Weight of the propulsor
PRO-PTCH-MX	2(N).1(N)	Max pitch of the propulsor
PRO-NO-BLDS	1(N)	Number of blades
PRO-AREA-RAT	4(N).1(N)	Area ratio of the propulsor
SPEC-COM1	70(A)	General comment field 1

SPEC-COM2	70(A)	General comment field 2
SPEC-COM3	70(A)	General comment field 3

Segment: SHFTSPEC	Unique segment associated with each iteration of the PROPSYS segment containing data on the propulsor's shaft components
-------------------	--

SH-ANGL	2(N).1(N)	Angle of shaft
SH-MAT	20(A)	Material shaft made of
SH-OD	2(N).1(N)	Outer diameter of the shaft
SH-ID	2(N).1(N)	Inner diameter of the shaft
SH-SMOD	4(N).1(N)	Shaft shear modulus
SH-COM1	70(A)	General comment field 1
SH-COM2	70(A)	General comment field 2
SH-COM3	70(A)	General comment field 3

Segment: AMVREF	Controlling segment of file for cross-reference information to the AMV Ships file
-----------------	---

SHIP-ID	5(A)	Ship ID number for ship contained in AMV database using the propulsor system; same format as that used in the AMV system
SHIP-NAME	20(A)	Name of ship in AMV Database
SHIP-FLAG	10(A)	Country ship registered in

Segment: LITREF	Controlling segment of file for cross-reference information to the OEB literature reference database
-----------------	--

REF-NUM	6(A)	Reference number; OEB internal format for literature reference numbers
REF-DESC	40(A)	Brief description of reference

6.0 File WGTHANDL (Weight Handling Systems)

The Weight Handling file provides a means of storing data on various weight handling systems used for shipboard applications. Using a combination of a standard weight handling system type code and a standard weight handling system subtype code as an entry key to the file, three types of information will be available as follows:

- a) Weight handling system descriptions and specifications for a number of designs currently and potentially available associated with each WT-TYP/WT-STYP
- b) Listing of ships conforming to the WT-TYP/WT-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).
- c) Listing of literature references cataloged by OEB on the WT-TYP/WT-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.

SECTION 10.10

STRUCTURE OF FOCUS

FILE WGT HANDL ON 05/11/86 AT 14.45.20

MAIN


```

$-----$
$          6.2 MASTER FILE DESCRIPTION FOR 'WGTHANDL'$
$
$ THE WEIGHT HANDLING FILE CONTAINS DATA ON VARIOUS TYPES OF MARINE $
$ WEIGHT HANDLING SYSTEMS. REFER TO THE DOCUMENT "MARINE TECHNOLOGY $
$ DATABASE (MTD) USER'S GUIDE" FOR MORE INFORMATION. $
$-----$
$ DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH $
$ DESIGNED BY    : M. J. STEVENS (VTC) $
$ DATE LAST REV  : 5/11/87 $
$-----$
$
FILE=WGTHANDL, SUFFIX=FOC
SEGNAME=MAIN, SEGTYPE=S2
  FIELD=WT_TYP      ,ALIAS=WTYP      ,FORMAT=A6
  FIELD=WT_STYP     ,ALIAS=WSTYP     ,FORMAT=A4
  FIELD=WT_COM1     ,ALIAS=WCOM1     ,FORMAT=A70
  FIELD=WT_COM2     ,ALIAS=WCOM2     ,FORMAT=A70
  FIELD=WT_COM3     ,ALIAS=WCOM3     ,FORMAT=A70
$+++++$
SEGNAME=WTSYS, PARENT=MAIN, SEGTYPE=S2
  FIELD=MFR_ID      ,ALIAS=MID      ,FORMAT=A5
  FIELD=MFR_NO      ,ALIAS=MNO      ,FORMAT=A12
  FIELD=MFR_COM1    ,ALIAS=MCOM1    ,FORMAT=A70
  FIELD=MFR_COM2    ,ALIAS=MCOM2    ,FORMAT=A70
  FIELD=MFR_COM3    ,ALIAS=MCOM3    ,FORMAT=A70
SEGNAME=WTDESC, PARENT=WTSYS, SEGTYPE=U
  FIELD=WT_PRI_FN   ,ALIAS=WPFN   ,FORMAT=A20
  FIELD=WT_PWR_TYP  ,ALIAS=WPTYP  ,FORMAT=A20
  FIELD=WT_DYN_POS  ,ALIAS=WDPOS  ,FORMAT=A1
  FIELD=DESC_COM1   ,ALIAS=DCOM1   ,FORMAT=A70
  FIELD=DESC_COM2   ,ALIAS=DCOM2   ,FORMAT=A70
  FIELD=DESC_COM3   ,ALIAS=DCOM3   ,FORMAT=A70
SEGNAME=WTSPEC, PARENT=WTSYS, SEGTYPE=U
  FIELD=WT_REACH    ,ALIAS=WTRCH   ,FORMAT=F3.1
  FIELD=WT_CAP      ,ALIAS=WCAP    ,FORMAT=F3.1
  FIELD=WT_WEIGHT   ,ALIAS=WWGT    ,FORMAT=F3.1
  FIELD=WT_VEL      ,ALIAS=WVEL    ,FORMAT=F3.1
  FIELD=WT_MOM      ,ALIAS=WMOM    ,FORMAT=F5.1
  FIELD=WT_VOL      ,ALIAS=WVOL    ,FORMAT=F5.1
  FIELD=WT_COST     ,ALIAS=WCST    ,FORMAT=F5.2
  FIELD=SPEC_COM1   ,ALIAS=SCOM1   ,FORMAT=A70
  FIELD=SPEC_COM2   ,ALIAS=SCOM2   ,FORMAT=A70
  FIELD=SPEC_COM3   ,ALIAS=SCOM3   ,FORMAT=A70
$+++++$
SEGNAME=AMVREF, PARENT=MAIN, SEGTYPE=S1
  FIELD=SHIP_ID     ,ALIAS=SID     ,FORMAT=A5
  FIELD=SHIP_NAME    ,ALIAS=SNM     ,FORMAT=A20
  FIELD=SHIP_FLAG    ,ALIAS=SFG     ,FORMAT=A10
$+++++$
SEGNAME=LITREF, PARENT=MAIN, SEGTYPE=S1
  FIELD=REF_NUM      ,ALIAS=RNUM     ,FORMAT=A6
  FIELD=REF_DESC     ,ALIAS=RDSC     ,FORMAT=A40
$+++++$
$
$          - END MASTER FILE DESC -
$

```

6.3 File WGTHANDL (Weight Handling Systems) Data Entry Formats

Field Name	Max Width	Field Description
Segment: MAIN		Main segment in file; two part key using WT-TYP and WT-STYP for access to file
WT-TYP	6(A)	Standard code for weight handling system type; ex BOOM etc.
WT-STYP	4(A)	Standard code for weight handling system subtype; ex AFRM (A frame) etc.
WT-COM1	70(A)	General comment field 1
WT-COM2	70(A)	General comment field 2
WT-COM3	70(A)	General comment field 3
Segment: WTSYS		Controlling segment of file for detailed data on weight handling systems
MFR-ID	5(A)	Code number for manufacturer of system
MFR-NO	12(A)	Manufacturer's model number
MFR-COM1	70(A)	General comment field 1
MFR-COM2	70(A)	General comment field 2
MFR-COM3	70(A)	General comment field 3
Segment: WTDESC		Unique segment associated with each iteration of the WTSYS segment containing general descriptive data on the weight handling system
WT-PRI-FN	20(A)	Primary function system designed for
WT-PWR-TYP	20(A)	Method for providing power to system
WT-DYN-POS	1(A)	Dynamic positioning (Y/N)
DESC-COM1	70(A)	General comment field 1
DESC-COM2	70(A)	General comment field 2
DESC-COM3	70(A)	General comment field 3
Segment: WTSPEC		Unique segment associated with each iteration of the WTSYS segment containing specs of the system
WT-REACH	2(N).1(N)	Maximum reach of system
WT-CAP	2(N).1(N)	Capacity at maximum reach
WT-WEIGHT	2(N).1(N)	System weight
WT-VEL	2(N).1(N)	Lift-off velocity
WT-MOM	4(N).1(N)	Static tipping moment
WT-VOL	4(N).1(N)	Volume of system
WT-COST	3(N).2(N)	Cost of system
SPEC-COM1	70(A)	General comment field 1
SPEC-COM2	70(A)	General comment field 2

SPEC-COM3	70(A)	General comment field 3
Segment: AMVREF		Controlling segment of file for cross-reference information to the AMV Ships file
SHIP-ID	5(A)	Ship ID number for ship contained in AMV database using the weight handling system; same format as that used in the AMV system
SHIP-NAME	20(A)	Name of ship in AMV Database
SHIP-FLAG	10(A)	Country ship registered in
Segment: LITREF		Controlling segment of file for cross-reference information to the OEB literature reference database
REF-NUM	6(A)	Reference number; OEB internal format for literature reference numbers
REF-DESC	40(A)	Brief description of reference

7.0 File VESSAUTO (Vessel Automation Systems)

The Vessel Automation Systems file contains data on various vessel automation systems used for a variety of shipboard applications. Using a combination of a standard type code and a standard subtype code as an entry key to the file, three types of information will be available as follows:

- a) Vessel Automation system descriptions and specifications for a number of designs currently and potentially available associated with each VS-TYP/VS-STYP
- b) Listing of ships using the VS-TYP/VS-STYP available in the AMV database (which will give detailed operational characteristics etc. on specific ships).
- c) Listing of literature references cataloged by OEB on the VS-TYP/VS-STYP in question.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.

SECTION 01.01

OF FOCUS

FILE VESSAUTO ON 05/11/86 AT 14.45.37

MAIN

```

$-----$
$          7.2 MASTER FILE DESCRIPTION FOR 'VESSAUTO'          $
$
$ THE VESSEL AUTOMATION SYSTEMS FILE CONTAINS DATA ON VARIOUS TYPES $
$ OF MARINE VESSEL AUTOMATION SYSTEMS. REFER TO THE DOCUMENT "MARINE $
$ TECHNOLOGY DATATBASE (MTD) USER'S GUIDE" FOR MORE INFORMATION. $
$-----$
$ DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH $
$ DESIGNED BY    : M. J. STEVENS (VTC) $
$ DATE LAST REV  : 5/11/87 $
$-----$
$
FILE=VESSAUTO, SUFFIX=FOC
SEGNAME=MAIN, SEGTYPE=S2
  FIELD=VS_TYP           ,ALIAS=WTYP           ,FORMAT=A6
  FIELD=VS_STYP          ,ALIAS=WSTYP          ,FORMAT=A4
  FIELD=VS_COM1          ,ALIAS=VCOM1          ,FORMAT=A70
  FIELD=VS_COM2          ,ALIAS=VCOM2          ,FORMAT=A70
  FIELD=VS_COM3          ,ALIAS=VCOM3          ,FORMAT=A70
$+++++$
SEGNAME=VASYS, PARENT=MAIN, SEGTYPE=S2
  FIELD=MFR_ID           ,ALIAS=MID           ,FORMAT=A5
  FIELD=MFR_NO           ,ALIAS=MNO           ,FORMAT=A12
  FIELD=MFR_COM1         ,ALIAS=MCOM1          ,FORMAT=A70
  FIELD=MFR_COM2         ,ALIAS=MCOM2          ,FORMAT=A70
  FIELD=MFR_COM3         ,ALIAS=MCOM3          ,FORMAT=A70
SEGNAME=VADESC, PARENT=VASYS, SEGTYPE=U
  FIELD=VA_FN            ,ALIAS=VFN            ,FORMAT=A20
  FIELD=VA_IN1           ,ALIAS=VIN1           ,FORMAT=A20
  FIELD=VA_IN2           ,ALIAS=VIN2           ,FORMAT=A20
  FIELD=VA_IN3           ,ALIAS=VIN3           ,FORMAT=A20
  FIELD=VA_OUT1          ,ALIAS=VOUT1          ,FORMAT=A20
  FIELD=VA_OUT2          ,ALIAS=VOUT2          ,FORMAT=A20
  FIELD=VA_OUT3          ,ALIAS=VOUT3          ,FORMAT=A20
  FIELD=VA_COM1          ,ALIAS=ACOM1          ,FORMAT=A70
  FIELD=VA_COM2          ,ALIAS=ACOM2          ,FORMAT=A70
  FIELD=VA_COM3          ,ALIAS=ACOM3          ,FORMAT=A70
SEGNAME=VASPEC, PARENT=VASYS, SEGTYPE=U
  FIELD=VA_COST          ,ALIAS=VCOST          ,FORMAT=F5.1
  FIELD=VA_EFF_RAT       ,ALIAS=VERAT          ,FORMAT=F3.1
  FIELD=SPEC_COM1        ,ALIAS=SCOM1          ,FORMAT=A70
  FIELD=SPEC_COM2        ,ALIAS=SCOM2          ,FORMAT=A70
  FIELD=SPEC_COM3        ,ALIAS=SCOM3          ,FORMAT=A70
$+++++$
SEGNAME=AMVREF, PARENT=MAIN, SEGTYPE=S1
  FIELD=SHIP_ID          ,ALIAS=SID           ,FORMAT=A5
  FIELD=SHIP_NAME        ,ALIAS=SNM           ,FORMAT=A20
  FIELD=SHIP_FLAG        ,ALIAS=SFG           ,FORMAT=A10
$+++++$
SEGNAME=LITREF, PARENT=MAIN, SEGTYPE=S1
  FIELD=REF_NUM          ,ALIAS=RNUM           ,FORMAT=A6
  FIELD=REF_DESC         ,ALIAS=RDSC           ,FORMAT=A40
$+++++$
$
$          - END MASTER FILE DESC -          $
$

```

7.3 File VESSAUTO (Vessel Automation Systems) Data Entry Formats

Field Name	Max Width	Field Description
Segment: MAIN		Main segment in file; two part key using VA-TYP and VA-STYP for access to file
VS-TYP	6(A)	Standard code for vessel automation system type
VS-STYP	4(A)	Standard code for vessel automation system subtype
VS-COM1	70(A)	General comment field 1
VS-COM2	70(A)	General comment field 2
VS-COM3	70(A)	General comment field 3
Segment: VASYS		Controlling segment of file for detailed data on vessel automation systems
MFR-ID	5(A)	Code number for manufacturer of system
MFR-NO	12(A)	Manufacturer's model number
MFR-COM1	70(A)	General comment field 1
MFR-COM2	70(A)	General comment field 2
MFR-COM3	70(A)	General comment field 3
Segment: VADESC		Unique segment associated with each iteration of the VASYS segment containing general descriptive data on the vessel automation system
VA-FN	20(A)	Primary function system designed for
VA-IN1	20(A)	Automation system input 1
VA-IN2	20(A)	Automation system input 2
VA-IN3	20(A)	Automation system input 3
VA-OUT1	20(A)	Automation system output 1
VA-OUT2	20(A)	Automation system output 2
VA-OUT3	20(A)	Automation system output 3
VA-COM1	70(A)	General comment field 1
VA-COM2	70(A)	General comment field 2
VA-COM3	70(A)	General comment field 3
Segment: VASPEC		Unique segment associated with each iteration of the VASYS segment containing specs of the system
VA-COST	4(N).1(N)	Cost of automation system
VA-EFF-RAT	2(N).1(N)	Effectiveness rating of system
SPEC-COM1	70(A)	General comment field 1
SPEC-COM2	70(A)	General comment field 2
SPEC-COM3	70(A)	General comment field 3

Segment: AMVREF

Controlling segment of file for cross-reference information to the AMV Ships file

SHIP-ID	5(A)	Ship ID number for ship contained in AMV database using the vessel automation system; same format as that used in the AMV system
SHIP-NAME	20(A)	Name of ship in AMV Database
SHIP-FLAG	10(A)	Country ship registered in

Segment: LITREF

Controlling segment of file for cross-reference information to the OEB literature reference database

REF-NUM	6(A)	Reference number; OEB internal format for literature reference numbers
REF-DESC	40(A)	Brief description of reference

8.0 File MFRREF (Manufacturer's Reference File)

The Manufacturer's (and Naval Architects / Designer's) reference file includes basic data items such as addresses, phone numbers etc. on firms in the file. Each firm has a unique identifying code/number that is used when data on the firm needs to be accessed. These same codes are used in other files such as the HULLCNFG file as cross-references to the MFRREF file when identification of the manufacturer or designer of a system is required.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.

SECTION 01.01 STRUCTURE OF FOCUS FILE MFRREF ON 05/11/86 AT 14.45.54

```
MAIN
01  S1
.....
*HFR_ID ..
*HFR_NAME ..
*HFR_ADD1 ..
*HFR_ADD2 ..
.....
.....
```

```

$-----$
$          8.2 MASTER FILE DESCRIPTION FOR 'MFRREF'          $
$
$ THE MANUFACTURER'S (AND DESIGN FIRM'S) REFERENCE FILE CONTAINS DATA $
$ RELATING EACH MANUFACTURER SUCH AS ADDRESSES, PHONE NUMBERS ETC. $
$ REFER TO THE "MARINE TECHNOLOGY DATABASE (MTD) USER'S GUIDE" FOR $
$ MORE INFORMATION. $
$-----$
$ DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH $
$ DESIGNED BY    : M. J. STEVENS (VTC) $
$ DATE LAST REV  : 5/11/87 $
$-----$
$
FILE=MFRREF, SUFFIX=FOC
SEGNAME=MAIN, SEGTYPE=S1
FIELD=MFR_ID      ,ALIAS=MID      ,FORMAT=A5
FIELD=MFR_NAME    ,ALIAS=MNAME    ,FORMAT=A25
FIELD=MFR_ADD1    ,ALIAS=MAD1     ,FORMAT=A25
FIELD=MFR_ADD2    ,ALIAS=MAD2     ,FORMAT=A25
FIELD=MFR_ADD3    ,ALIAS=MAD3     ,FORMAT=A25
FIELD=MFR_PHONE   ,ALIAS=MPHN     ,FORMAT=A16
FIELD=MFR_REP     ,ALIAS=MREP     ,FORMAT=A25
$+++++$
$
$          - END MASTER FILE DESC -          $
$

```

8.3 File MFRREF (Manufacturer's Reference File) Data Entry Formats

Field Name	Max Width	Field Description
Segment: MAIN		Master segment in file; key for accessing data in the file is the field MFR-ID
MFR-ID	5(A)	Code number for manufacturer or design firm
MFR-NAME	25(A)	Firm's name
MFR-ADD1	25(A)	Firm's address, line (1)
MFR-ADD2	25(A)	Firm's address, line (2)
MFR-ADD3	25(A)	Firm's address, line (3)
MFR-PHONE	16(A)	Firm's phone number
MFR-REP	25(A)	Firm's representative

9.0 File OEBREF (OEB Literature Reference File)

The OEB Reference file contains data on publications researched and reviewed on various aspects of marine vessel technology. Areas covered include hull configurations, propulsion and propulsor systems, weight handling systems, and vessel automation.

The following pages provide a file structure diagram, descriptions of the segments in the file, and descriptions of the fields in each segment.


```

$-----$
$          9.2 MASTER FILE DESCRIPTION FOR 'OEBREF'          $
$-----$
$ THE OCEAN ENGINEERING BRANCH'S LITERATURE REFERENCE FILE CONTAINS $
$ REFERENCES RESEARCHED ON VARIOUS ASPECTS OF MARINE TECHNOLOGY. $
$ REFER TO THE "MARINE TECHNOLOGY DATABASE (MTD) USER'S GUIDE" FOR $
$ MORE INFORMATION. $
$-----$
$ DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH $
$ DESIGNED BY    : M. J. STEVENS (VTC) $
$ DATE LAST REV  : 5/11/87 $
$-----$
$
$ FILE=OEBREF, SUFFIX=FOC $
$   SEGNAME=MAIN, SEGTYPE=S1 $
$     FIELD=REF_NUM      ,ALIAS=RNO      ,FORMAT=A6 $
$     FIELD=REF_TITLE    ,ALIAS=RTITL    ,FORMAT=A60 $
$     FIELD=REF_SOURCE   ,ALIAS=RSRC     ,FORMAT=A40 $
$     FIELD=REF_REP_NO    ,ALIAS=RRNO     ,FORMAT=A10 $
$     FIELD=REF_JN_VOL    ,ALIAS=RJNV     ,FORMAT=A10 $
$     FIELD=REF_PUB_DT    ,ALIAS=MPHN     ,FORMAT=A16 $
$   SEGNAME=AUTHOR, PARENT=MAIN, SEGTYPE=S3 $
$     FIELD=AUTH_LN      ,ALIAS=ALN      ,FORMAT=A14 $
$     FIELD=AUTH_FN      ,ALIAS=AFN      ,FORMAT=A12 $
$     FIELD=AUTH_MI      ,ALIAS=AMI      ,FORMAT=A1 $
$   SEGNAME=KEYWORD, PARENT=MAIN, SEGTYPE=S1 $
$     FIELD=KEY_WD_NO    ,ALIAS=KWN      ,FORMAT=I2 $
$     FIELD=KEY_WORD     ,ALIAS=KWD      ,FORMAT=A12 $
$   SEGNAME=ABSTRACT, PARENT=MAIN, SEGTYPE=S1 $
$     FIELD=ABS_LN_NO    ,ALIAS=ABLN     ,FORMAT=I2 $
$     FIELD=ABS_TEXT     ,ALIAS=ABTX     ,FORMAT=A60 $
$+++++$
$
$          - END MASTER FILE DESC -          $
$

```

9.3 File OEBREF (OEB Literature Reference File) Data Entry Formats

Field Name	Max Width	Field Description
Segment: MAIN		Master segment in file; key for accessing data in the file is the field REF-NUM
REF-NUM	6(A)	Six character OEB code identifying publication/reference researched
REF-TITLE	60(A)	Title of reference
REF-SOURCE	40(A)	Source of reference
REF-REP-NO	10(A)	Report number
REF-JN-VOL	10(A)	Volume number
REF-PUB-DT	16(A)	Date of publication
Segment: AUTHOR		Segment of file containing author(s) of publication; access is by all three fields
REF-AUTH-LN	14(A)	Author's last name
REF-AUTH-FN	12(A)	Author's first name
REF-AUTH-MI	1(A)	Author's middle initial
Segment: KEYWORD		Segment containing selected keywords associated with document.
KEY-WD-NO	2(N)	Keyword number
KEY-WORD	12(A)	Keyword
Segment: ABSTRACT		Segment associated with the abstract of the reference
ABS-LN-NO	2(N)	Abstract line number
ABS-TEXT	60(A)	Abstract text

APPENDIX B

Application Documentation

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1.0 INTRODUCTION

The MTD application consists of a series of FOCEXEC (.FEX extensions) files containing a mixture of "Dialogue Manager" and "Modify" FOCUS code. Where appropriate, the code accesses the Master File Description (.MAS extensions) files described in Appendix A, and, in the case of file maintenance routines or reports, the data files (.FOC extensions).

An MTD user's sub-directory has been created on the Marine Systems Branch's DEC Microvax II to contain the application and the data files. To access the system, log on with MTD as the user name (press [RETURN] at the password prompt; a password is not needed to access the application) and then follow the steps described below:

- a) Type 'FOCUS' and press the [RETURN] key
- b) Type 'EX OEBO10' and press the [RETURN] key

When the master menu is displayed, choose the function desired, type the number of the menu choice, and press the [RETURN] key. The appropriate routine (sub-menu or program) will be executed. When working with file maintenance routines, there are three keys that are used to control the execution of the routines.

The [TAB] key allows movement from one field to another within a given screen display or "form". Entry of data, or modification of existing data, is similar to filling out a paper form. After filling in a given field, press the [TAB] key to advance to the next field. The [UP] and [DOWN] arrows can also be used to move from one field to another.

The [RETURN] key is used to command the system to take the desired action on the form that has just been filled out or modified. If you had chosen an ADD routine from one of the menus, for example, pressing the [RETURN] key would cause whatever was present on the screen (form) to be filed away in the designated data file as a new record. (FOCUS displays error messages if you attempt to add an existing record or delete a non-existing record etc.)

The [PF3] key is used to "QUIT" whatever process you happen to be in without any action being taken on data that may have been entered on the current form. If you press the [PF3] key by mistake while in a menu, the system will respond with the FOCUS prompt ">>". To get back into the MTD system, type "EX OEBO10" and then press the [RETURN] key. The master menu will be re-displayed.

At the end of a session with the MTD system, select option 3 from the master menu and press the [RETURN] key. The FOCUS prompt ">>" will appear. Type "FIN" and press the [RETURN] key. The VMS "\$" prompt will be displayed; at this point, you can type in "LO" and press the [RETURN] key to log-off the system.

The following pages present the code listings of the FOCEXECs used to build the MTD application. The functions, along with the appropriate program file names are listed below:

MTD Master Menu

OEBO10.FEX

File Maintenance Menu

HULLCNFG File Maintenance
PROPULSN File Maintenance
PROPULSR File Maintenance
WGTHANDL File Maintenance
VESSAUTO File Maintenance
MFRREF File Maintenance
OEBREF File Maintenance

OEB200.FEX

OEB210.FEX
OEB220.FEX
OEB230.FEX
OEB240.FEX
OEB250.FEX
OEB260.FEX
OEB270.FEX

Report Menu

HULLCNFG Reports
PROPULSN Reports
PROPULSR Reports
WGTHANDL Reports
VESSAUTO Reports
MFRREF Reports
OEBREF Reports

OEB300.FEX

OEB310.FEX
OEB320.FEX
OEB330.FEX
OEB340.FEX
OEB350.FEX
OEB360.FEX
OEB370.FEX


```

-----
MTD SYSTEM PM DIRECTORY - OEB200
-----
*DESIGNED FOR : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
*DESIGNED BY : M. J. STEVENS (VTC)
*DATE LAST REV : 4/22/87
-----
-TOP
-DEFAULTS <OPTION>=0
-CATFORM LINE 1
-----
MARINE TECHNOLOGY DATABASE PM DIRECTORY - OEB200
-----
      DIRECTORY OPTIONS
      (1) NULL CONFIGURATIONS
      (2) PROPULSION SYSTEMS
      (3) PROPULSOR SYSTEMS
      (4) WEIGHT HANDLING
      (5) VESSEL AUTOMATION
      (6) MANUFACTURERS
      (7) OEB REFERENCES
      (8) MASTER DIRECTORY

      OPTION --> <OPTION
-----
      [TAB] NEXT FIELD, (RETURN) TAKE ACTION, [PP3] QUIT
-----
-IF <OPTION EQ 1 GOTO ONE;
-IF <OPTION EQ 2 GOTO TWO;
-IF <OPTION EQ 3 GOTO THREE;
-IF <OPTION EQ 4 GOTO FOUR;
-IF <OPTION EQ 5 GOTO FIVE;
-IF <OPTION EQ 6 GOTO SIX;
-IF <OPTION EQ 7 GOTO SEVEN;
-IF <OPTION EQ 8 GOTO EIGHT;
-GOTO TOP
-ONE
EX OEB210
END
-RUN
-GOTO TOP
-TWO
EX OEB220
END
-RUN
-GOTO TOP
-THREE

```

```

EX OER210
END
-
-RUN
-GOTO TOP
-
-FOUR
-
EX OER240
END
-
-RUN
-GOTO TOP
-
-FIVE
-
EX OER250
END
-
-RUN
-GOTO TOP
-
-SIX
-
EX OER260
END
-
-RUN
-GOTO TOP
-
-SEVEN
-
EX OER270
END
-
-RUN
-GOTO TOP
-
-EIGHT
-
EX OER3010
END
-
-RUN
-GOTO TOP

```

```

--*-----
--*          FILE MAINTENANCE ROUTINE FOR HULLCNFG FILE - OEB210
--*-----
--*DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
--*DESIGNED BY    : M. J. STEVENS (VTC)
--*DATE LAST REV  : 5/12/87
--*-----
--*
--TOP
--DEFAULTS &OPTION=0
--CRTFORM LINE 1
--"-----
--"          FILE MAINTENANCE ROUTINES FOR HULLCNFG FILE - OEB210
--"-----
--"
--"
--"          MAINTENANCE OPTIONS LIST
--"
--"          [1] ADD CONFIGURATION
--"          [2] CHG CONFIGURATION
--"          [3] DEL CONFIGURATION
--"          [4] EXIT HULLCNFG FILE
--"
--"          OPTION --> <&OPTION
--"
--"      <77  |"
--"      <77  |"
--"      <77  |"
--"-----
--"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
--"-----
--*
--IF &OPTION EQ 1 GOTO ONE;
--IF &OPTION EQ 2 GOTO TWO;
--IF &OPTION EQ 3 GOTO THREE;
--IF &OPTION EQ 4 GOTO FOUR;
--GOTO TOP
--*
--ONE
--*
--CRTFORM LINE 1
--"-----
--"          ADD CONFIGURATIONS OPTIONS FOR HULLCNFG FILE - OEB210
--"-----
--"
--"
--"          OPTIONS LIST
--"
--"          [1] ADD MAIN SEGMENT
--"          [2] ADD HULL SEGMENT
--"          [3] ADD AMV REFERENCE
--"          [4] ADD LITERATURE REF
--"          [5] FM DIRECTORY
--"
--"          OPTION --> <&OPTION
--"
--"      <77  |"
--"      <77  |"
--"-----
--"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
--"-----

```

```

--*
--IF &OPTION EQ 1 GOTO MAIN1;

```



```

-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

```

```

- *
-MAIN1
- *

```

```

MODIFY FILE HULLCNFG
CRTFORM LINE 1

```

```

"-----"
" ADD NEW CONFIGURATION (HULLS SEGMENT) "
"-----"
" TYPE <10 < HULL_TYP <77 | "
" SUBTYPE <10 < HULL_STYP <77 | "
"-----"
" <77 | "
" COMMENTS: <77 | "
" <77 | "
" < HULL_COM1 <77 | "
" < HULL_COM2 <77 | "
" < HULL_COM3 <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "

```

```

MATCH HULL_TYP HULL_STYP
ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END

```

```

- *
-RUN
-GOTO ONE
- *
-HULL1
- *

```

```

-CRTFORM LINE 1

```

```

"-----"
" HULL DESIGN ADD OPTIONS FOR HULLCNFG FILE - OEB210 "
"-----"
"
" OPTIONS LIST
"
" [1] ADD HULL DESIGN
" [2] ADD HULL DESCRIPTION
" [3] ADD HULL SPECIFICATIONS
" [4] ADD RIDE CONTROL SPECS
" [5] FM DIRECTORY
"
" OPTION --> <&OPTION
"
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "

```

```

-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO HULL1D;
-IF &OPTION EQ 5 GOTO ONE;
-GOTO HULL1

```

```

- *
-HULL1A

```

```

- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1

```

```

"-----"
" | ADD HULL DESIGNS (HULLDESN SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < HULL_TYP <77 | "
" | SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA1A

```

```

- *
CASE HULLA1A
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" | ADD DESIGNS (HULLDESN SEGMENT) | "
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR_NUMBER <16 < MFR_NO <77 | "
"-----"
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <MFR_COM1 <77 | "
" | <4 <MFR_COM2 <77 | "
" | <4 <MFR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH MFR_ID MFR_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULLA1A

```

```

- *

```

```

ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1B
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"-----"
" ADD HULL DESCRIPTION (HULLDESC SEGMENT) "
"-----"
" <77 | "
" TYPE <16 < HULL_TYP <77 | "
" SUBTYPE <16 < HULL_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B
- *
CASE HULL1B
- *
CRTFORM LINE 1
"-----"
" ADD DESCRIPTION (HULLDESC SEGMENT) "
"-----"
" MFR/DESIGNER <16 < MFR_ID <77 | "
" MFR_NUMBER <16 < MFR_NO <77 | "
"-----"
" HULL SHAPE <18 < HULL_SHAPE <38 BOW TYPE <50 <HULL_BTYP <77 | "
" STERN TYPE <18 < HULL_RTYP <38 HULL MAT <50 <HULL_MAT <77 | "
" PLATE THICK <18 < HULL_PTHCK <38 FRAME TYPE <50 <HULL_FTYP <77 | "
" WATRTGHT GRPS <18 < HULL_WGRPS <77 | "
" <77 | "
" COMMENTS <77 | "
" <77 | "
" <4 < HU_COM1 <77 | "
" <4 < HU_COM2 <77 | "
" <4 < HU_COM3 <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL_SHAPE
ON MATCH REJECT

```

```

      ON NOMATCH INCLUDE
- *
      ENDCASE
- *
      DATA
      END
- *
- RUN
- GOTO HULL1
- *
- HULL1C
- *
      MODIFY FILE HULLCNFG
      CRTFORM LINE 1

```

```

"-----"
" |                                     ADD HULL SPECIFICATIONS (HULLSPEC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE                                     <16 < HULL_TYP   <77 | "
" | SUBTYPE                                <16 < HULL_STYP  <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                     [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C

```

```

- *
CASE HULL1C
- *
      CRTFORM LINE 1

```

```

"-----"
" |                                     ADD SPECIFICATIONS (HULLSPEC SEGMENT) | "
"-----"
" | MFR/DES   <20 <MFR_ID <77 | "
" | MFR NO    <20 <MFR_NO <77 | "
"-----"
" | LOA        <20 <HULL_LOA      <38 HULL_LBP   <60 <HULL_LBP   <77 | "
" | MX BEAM    <20 <HULL_BEAM     <38 MX DRAFT   <60 <HULL_MX_DRFT <77 | "
" | MN DRAFT   <20 <HULL_MN_DRFT  <38 LT DRFT    <60 <HULL_LS_DRFT <77 | "
" | FREEBOARD  <20 <HULL_FBD     <38 FL LD DIS   <60 <HULL_FL_DIS  <77 | "
" | DEADWEIGHT <20 <HULL_DWT     <38 DRA STERN   <60 <HULL_DRA_ST  <77 | "
" | DRA MIDCHN <20 <HULL_DRA_MC  <38 MX DEPTH   <60 <HULL_MX_DPHT <77 | "
" | BLCK COEFF <20 <HULL_BLCK_CO <38 PRIS COEFF  <60 <HULL_PRIS_CO <77 | "
" |                                     COMMENTS <77 | "
" | <4 <SPEC_COM1 <77 | "
" | <4 <SPEC_COM2 <77 | "
" | <4 <SPEC_COM3 <77 | "
"-----"
" |                                     [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT

```

```

ON MATCH CONTINUE TO HULL_LOA
ON MATCH REJECT
ON NOMATCH INCLUDE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1D
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"-----"
" | ADD RIDE CONTROL DATA (RIDE CNTR SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < HULL_TYP <77 | "
" | SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1D
- *
CASE HULL1D
- *
CRTFORM LINE 1
"-----"
" | ADD RIDE CONTROL DATA (RIDE CNTR SEGMENT) | "
"-----"
" | MFR/DESIGNER <20 < MFR_ID <77 | "
" | MFR_NUMBER <20 < MFR_NO <77 | "
"-----"
" | CONTROL TYPE <20 < CNTR_TYP <77 | "
" | CONTROL DESC <20 < CNTR_DESC <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 < CNTR_COM1 <77 | "
" | <4 < CNTR_COM2 <77 | "
" | <4 < CNTR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO CNTR_TYP
ON MATCH REJECT
ON NOMATCH INCLUDE

```

```

- *
ENDCASE
- *

```

```

DATA
END
- *

```

```

-RUN
-GOTO HULL1
- *

```

```

-AMV1
- *

```

```

MODIFY FILE HULLCNFG
CRTFORM LINE 1

```

```

"-----"
"          ADD AMV REFERENCES (AMVREF SEGMENT)          "
"-----"
"  <77  | "
"  HULL TYPE      <16 < HULL_TYP      <77  | "
"  HULL SUBTYPE   <16 < HULL_STYP    <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"-----"
"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
"-----"

```

```

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA1

```

```

- *
CASE AMVA1
- *

```

```

CRTFORM LINE 1

```

```

"-----"
"          ADD AMV REFERENCES (AMVREF SEGMENT)          "
"-----"
"  <77  | "
"  SHIP ID      <16 < SHIP_ID      <77  | "
"  <77  | "
"  SHIP NAME <16 < SHIP_NAME <77  | "
"  SHIP FLAG <16 < SHIP_FLAG <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"  <77  | "
"-----"

```

```

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH SHIP ID
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVAL
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO ONE
- *
- *
-LIT1
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
" | [TAB] ADD LITERATURE REFERENCES (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | HULL TYPE <16 < HULL_TYP <77 | "
" | HULL SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH HULL TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1
- *
CASE LIT1
- *
CRTFORM LINE 1
" | [TAB] ADD LITERATURE REFERENCES (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | REFERENCE NO <17 < REF_NUM <77 | "
" | <77 | "
" | DESCRIPTION <17 < REF_DESC <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```



```

" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A
- *
CASE HULLA2A
- *
CRTFORM LINE 1
"-----"
" | CHG DESIGN (HULLDESN SEGMENT) | "
"-----"
" <77 | "
" MFR/DESIGNER <16 < MFR_ID <77 | "
" MFR NUMBER <16 < MFR_NO <77 | "
" <77 | "
" <30 ( PRESS RETURN ) <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" <77 | "
" COMMENTS <77 | "
" <77 | "
" <4 <T.MFR_COM1> <77 | "
" <4 <T.MFR_COM2> <77 | "
" <4 <T.MFR_COM3> <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE MFR_COM1 MFR_COM2 MFR_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-HULL2B
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"-----"
" | CHG HULL DESCRIPTION (HULLDESC SEGMENT) | "
"-----"
" <77 | "
" TYPE <16 < HULL_TYP <77 | "
" SUBTYPE <16 < HULL_STYP <77 | "
" <77 | "
" <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2B
- *
CASE HULLA2B
- *
CRTFORM LINE 1
" |-----"
" | CHG DESCRIPTION (HULLDESC SEGMENT) | "
" |-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <30 ( PRESS RETURN ) <77 | "
" |-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL_SHAPE
ON NOMATCH REJECT
ON MATCH CRTFORM
" | HULL_SHAPE <18 <T.HULL_SHAPE><38 BOW TYPE <50 <T.HULL_BTYP> <77 | "
" | STERN TYPE <18 <T.HULL_RTYP> <38 HULL MAT <50 <T.HULL_MAT> <77 | "
" | PLATE THICK <18 <T.HULL_PTHCK><38 FRAME TYPE<50 <T.HULL_FTYP> <77 | "
" | WATRTGHT GRPS<18 <T.HULL_WGRPS> <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <T.HU_COM1> <77 | "
" | <4 <T.HU_COM2> <77 | "
" | <4 <T.HU_COM3> <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE HULL_SHAPE HULL_BTYP HULL_RTYP HULL_MAT HULL_PTHCK
ON MATCH UPDATE HULL_FTYP HULL_WGRPS HU_COM1 HU_COM2 HU_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-HULL2C
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
" |-----"
" | CHG SPECIFICATIONS (HULLSPEC SEGMENT) | "
" |-----"
" | <77 | "

```

```

" TYPE <16 < HULL_TYP <77 | "
" SUBTYPE <16 < HULL_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "

```

```

"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"

```

```

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C

```

```

- *
CASE HULLA2C

```

```

- *
CRTFORM LINE 1

```

```

"-----"
" CHG SPECIFICATIONS (HULLSPEC SEGMENT) "
"-----"

```

```

" MFR/DESIGNER <16 < MFR_ID <77 | "
" MFR_NUMBER <16 < MFR_NO <30 ( PRESS RETURN ) <77 | "
"-----"

```

```

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL_LOA
ON NOMATCH REJECT
ON MATCH CRTFORM

```

```

" LOA <20 <T.HULL_LOA> <38 HULL_LBP <60 <T.HULL_LBP> <77 | "
" MX BEAM <20 <T.HULL_BEAM> <38 MX DRAFT <60 <T.HULL_MX_DRFT> <77 | "
" MN DRAFT <20 <T.HULL_MN_DRFT> <38 LT DRFT <60 <T.HULL_LS_DRFT> <77 | "
" FREEBOARD <20 <T.HULL_FBD> <38 FL LD DIS <60 <T.HULL_FL_DIS> <77 | "
" DEADWEIGHT <20 <T.HULL_DWT> <38 DRA STERN <60 <T.HULL_DRA_ST> <77 | "
" DRA MIDCHN <20 <T.HULL_DRA_MC> <38 MX DEPTH <60 <T.HULL_MX_DPTH> <77 | "
" BLCK COEFF <20 <T.HULL_BLCK_CO> <38 PRIS COEFF <60 <T.HULL_PRIS_CO> <77 | "
" COMMENTS <77 | "
" <4 <T.SPEC_COM1> <77 | "
" <4 <T.SPEC_COM2> <77 | "
" <4 <T.SPEC_COM3> <77 | "
"-----"

```

```

" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"

```

```

ON MATCH UPDATE HULL_LOA HULL_LBP HULL_BEAM HULL_MX_DRFT HULL_MN_DRFT
ON MATCH UPDATE HULL_LS_DRFT HULL_FBD HULL_FL_DIS HULL_DWT HULL_DRA_ST
ON MATCH UPDATE HULL_DRA_MC HULL_MX_DPTH HULL_BLCK_CO HULL_PRIS_CO
ON MATCH UPDATE SPEC_COM1 SPEC_COM2 SPEC_COM3

```

```

- *
ENDCASE

```

```

- *
DATA
END

```

```

- *
-RUN
-GOTO HULL2

```

```

- *
-HULL2D

```

```

- *

```

MODIFY FILE HULLCNFG
CRTFORM LINE 1

```

"-----"
" |                CHG RIDE CONTROL DATA (RIDE CNTR SEGMENT)                |"
"-----"
" | <77 |"
" | TYPE                <16 < HULL_TYP    <77 |"
" | SUBTYPE            <16 < HULL_STYP    <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"
" |                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                |"
"-----"

```

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2D

---*
CASE HULLA2D

---*
CRTFORM LINE 1

```

"-----"
" |                CHG RIDE CONTROL DATA (RIDE CNTR SEGMENT)                |"
"-----"
" | MFR/DESIGNER        <20 < MFR_ID      <77 |"
" | MFR_NUMBER          <20 < MFR_NO      <33 (PRESS RETURN)  <77 |"
"-----"
" |"
" | MATCH MFR_ID MFR_NO
" | ON NOMATCH REJECT
" | ON MATCH CONTINUE TO CNTR_TYP
" | ON NOMATCH REJECT
" | ON MATCH CRTFORM
" | <77 |"
" | CONTROL TYPE        <20 <T.CNTR_TYP>    <77 |"
" | CONTROL DESC        <20 <T.CNTR_DESC>    <77 |"
" |                                COMMENTS <77 |"
" | <4 <T.CNTR_COM1> <77 |"
" | <4 <T.CNTR_COM2> <77 |"
" | <4 <T.CNTR_COM3> <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"
" |                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                |"
"-----"

```

ON MATCH UPDATE CNTR_TYP CNTR_DESC CNTR_COM1 CNTR_COM2 CNTR_COM3

---*
ENDCASE

---*
DATA
END

---*
-RUN
-GOTO HULL2

```

- *
-AMV2
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"-----"
" |                                     | "
"-----"
" | <77 | "
" | TYPE <16 < HULL_TYP <77 | "
" | SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2
- *
CASE AMV2
- *
CRTFORM LINE 1
"-----"
" |                                     | "
"-----"
" | <77 | "
" | SHIP ID <16 < SHIP_ID <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | SHIP NAME <16 <T.SHIP_NAME> <77 | "
" | SHIP FLAG <16 <T.SHIP_FLAG> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2
- *
ENDCASE
- *
DATA
END
- *

```

```

-RUN
-GOTO TWO
- *
- *
-LIT2
- *

```

```

MODIFY FILE HULLCNFG
CRTFORM LINE 1

```

```

"-----"
"          CHG LITERATURE REFERENCE (LITREF SEGMENT)          "
"-----"
"  <77 | "
" TYPE      <16 < HULL_TYP <77 | "
" SUBTYPE <16 < HULL_STYP <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "

```

```

"-----"
"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
"-----"

```

```

MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2

```

```

- *
CASE LITA2
- *

```

```

CRTFORM LINE 1

```

```

"-----"
"          CHG LITERATURE REFERENCE (LITREF SEGMENT)          "
"-----"
"  <77 | "
" REF NUMBER <17 < REF_NUM <77 | "
"  <77 | "
"  <33 ( PRESS RETURN ) <77 | "
"-----"

```

```

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM

```

```

"  <77 | "
"                                     REFERENCE DESCRIPTION          "
"  <77 | "
"  <8 <T.REF_DESC> <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "

```

```

"-----"
"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
"-----"

```

```

ON MATCH UPDATE REF_DESC
GOTO LITA2

```

```

- *
ENDCASE
- *

```



```

MATCH HULL TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A
- *
CASE HULLA3A
- *
CRTFORM LINE 1
"-----"
" |                                DEL DESIGN (HULLDESN SEGMENT)                                | "
"-----"
" | <77 | "
" | MFR/DESIGNER      <16 < MFR_ID      <77 | "
" | MFR_NUMBER       <16 < MFR_NO      <32 (PRESS RETURN)  <77 | "
" | <77 | "
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" |                                COMMENTS <77 | "
" | <4 <D.MFR_COM1 <77 | "
" | <4 <D.MFR_COM2 <77 | "
" | <4 <D.MFR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                | "
"-----"
ON MATCH DELETE
GOTO HULLA3A
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3B
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"-----"
" |                                DEL HULL DESCRIPTION (HULLDESC SEGMENT)                                | "
"-----"
" | <77 | "
" | TYPE              <16 < HULL_TYP      <77 | "
" | SUBTYPE           <16 < HULL_STYP     <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```

```

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B
- *
CASE HULLA3B
- *
CRTFORM LINE 1
" |-----"
" | DEL DESCRIPTION (HULDESC SEGMENT) | "
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <30 ( PRESS RETURN ) <77 | "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL_SHAPE
ON NOMATCH REJECT
ON MATCH CRTFORM
" | HULL SHAPE <18 <D.HULL_SHAPE <38 BOW TYPE <50 <D.HULL_BTYP <77 | "
" | STERN TYPE <18 <D.HULL_RTYP <38 HULL MAT <50 <D.HULL_MAT <77 | "
" | PLATE THICK <18 <D.HULL_PTHCK <38 FRAME TYPE <50 <D.HULL_FTYT <77 | "
" | WATRTGHT GRPS <18 <D.HULL_WGRPS <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <D.HU_COM1 <77 | "
" | <4 <D.HU_COM2 <77 | "
" | <4 <D.HU_COM3 <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3C
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
" |-----"
" | DEL HULL SPECIFICATIONS (HULLSPEC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < HULL_TYP <77 | "
" | SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C
- *
CASE HULLA3C
- *
CRTFORM LINE 1
"-----"
" | DEL DESCRIPTION (HULLSPEC SEGMENT) | "
"-----"
" | MFR/DESIGNER <20 < MFR_ID <77 | "
" | MFR_NUMBER <20 < MFR_NO ( PRESS RETURN ) <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO HULL_LOA
ON NOMATCH REJECT
ON MATCH CRTFORM
" | LOA <20<D.HULL_LOA <38 HULL_LBP <60 <D.HULL_LBP <77 | "
" | MX BEAM <20<D.HULL_BEAM <38 MX DRAFT <60 <D.HULL_MX_DRFT <77 | "
" | MN DRAFT <20<D.HULL_MN_DRFT <38 LT DRFT <60 <D.HULL_LS_DRFT <77 | "
" | FREEBOARD <20<D.HULL_FBD <38 FL LD DIS <60 <D.HULL_FL_DIS <77 | "
" | DEADWEIGHT<20<D.HULL_DWT <38 DRA STERN <60 <D.HULL_DRA_ST <77 | "
" | DRA MIDCHN<20<D.HULL_DRA_MC <38 MX DEPTH <60 <D.HULL_MX_DPTH <77 | "
" | BLCK COEFF<20<D.HULL_BLCK_CO <38 PRIS COEFF<60 <D.HULL_PRIS_CO <77 | "
" | COMMENTS <77 | "
" | <4 <D.SPEC_COM1 <77 | "
" | <4 <D.SPEC_COM2 <77 | "
" | <4 <D.SPEC_COM3 <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3D
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"-----"
" | DEL RIDE CONTROL DATA (RIDE CNTR SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < HULL_TYP <77 | "
" | SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3D
- *
CASE HULLA3D
- *
CRTFORM LINE 1
"-----"
" | DEL RIDE CONTROL DATA (RIDE CNTR SEGMENT) | "
"-----"
" | <77 | "
" | MFR/DESIGNER <20 < MFR_ID <77 | "
" | MFR NUMBER <20 < MFR_NO <33 (PRESS RETURN) <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO CNTR_TYP
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | CONTROL TYPE <20 < D.CNTR_TYP <77 | "
" | CONTROL DESC <20 < D.CNTR_DESC <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <4 <D.CNTR_COM1 <77 | "
" | <4 <D.CNTR_COM2 <77 | "
" | <4 <D.CNTR_COM3 <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-AMV3
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
"-----"
" | DEL AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < HULL_TYP <77 | "
" | SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH HULL TYP HULL STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3
- *
CASE AMVA3
- *
CRTFORM LINE 1
" |-----"
" | DEL AMV REFERENCES (AMVREF SEGMENT) | "
" |-----"
" | <77 | "
" | SHIP ID <16 < SHIP_ID <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
" |-----"
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | SHIP_NAME <16 < D.SHIP_NAME <77 | "
" | SHIP_FLAG <16 < D.SHIP_FLAG <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH DELETE
GOTO AMVA3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO THREE
- *
-LIT3
- *
MODIFY FILE HULLCNFG
CRTFORM LINE 1
" |-----"
" | DEL LITERATURE REFERENCE (LITREF SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < HULL_TYP <77 | "
" | SUBTYPE <16 < HULL_STYP <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH HULL_TYP HULL_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA3
- *
CASE LITA3
- *
CRTFORM LINE 1
" |-----"
" | DEL LITERATURE REFERENCE (LITREF SEGMENT) | "
" |-----"
" | <77 | "
" | REF NUMBER <17 < REF_NUM <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
" |-----"
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | REFERENCE DESCRIPTION <77 | "
" | <77 | "
" | <8 <D.REF_DESC <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH DELETE
GOTO LITA3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO THREE
- *
-RUN
-GOTO TOP
- *
-FOUR
- *
EX OEB200
END
- *

```

-RUN
-GOTO TOP


```

- *-----*
- *          FILE MAINTENANCE ROUTINE FOR PROPULSN FILE - OEB220          *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH          *
- *DESIGNED BY    : M. J. STEVENS (VTC)                                *
- *DATE LAST REV  : 5/12/87                                           *
- *-----*
- *
- TOP
- DEFAULTS &OPTION=0
- CRTFORM LINE 1
- "
- "          FILE MAINTENANCE ROUTINES FOR PROPULSN FILE - OEB220          "
- "-----"
- "
- "          MAINTENANCE OPTIONS LIST
- "
- "          [1] ADD PROPULSION SYS
- "          [2] CHG PROPULSION SYS
- "          [3] DEL PROPULSION SYS
- "          [4] EXIT PROPULSN FILE
- "
- "          OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- " <77 | "
- "-----"
- "          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
- "-----"
- *
- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- IF &OPTION EQ 4 GOTO FOUR;
- GOTO TOP
- *
- ONE
- *
- CRTFORM LINE 1
- "
- "          ADD SYSTEMS OPTIONS FOR PROPULSN FILE - OEB220          "
- "-----"
- "
- "          OPTIONS LIST
- "
- "          [1] ADD MAIN SEGMENT
- "          [2] ADD DESIGN SEGMENT
- "          [3] ADD AMV REFERENCE
- "          [4] ADD LITERATURE REF
- "          [5] FM DIRECTORY
- "
- "          OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- "-----"
- "          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
- "-----"
- *
- IF &OPTION EQ 1 GOTO MAIN1;

```

```

-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

```

```

- *
-MAIN1
- *

```

```

MODIFY FILE PROPULSN
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD NEW SYSTEM (PROTYP SEGMENT) |"
"-----"
" | TYPE      <10 < PRO_TYP    <77 |"
" | SUBTYPE   <10 < PRO_STYP   <77 |"
"-----"
" | <77 |"
" |                                     COMMENTS: <77 |"
" | <77 |"
" | < PRO_COM1 <77 |"
" | < PRO_COM2 <77 |"
" | < PRO_COM3 <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"

```

```

MATCH PRO_TYP PRO_STYP
ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END

```

```

- *
-RUN
-GOTO ONE
- *
-HULL1
- *

```

```

-CRTFORM LINE 1

```

```

"-----"
" |                                     SYS DESIGN ADD OPTIONS FOR PROPULSN FILE - OEB220 |"
"-----"
" |                                     OPTIONS LIST |"
" | [1] ADD SYS DESIGN |"
" | [2] ADD SYS DESCRIPTION |"
" | [3] ADD SYS SPECIFICATIONS |"
" | [4] ADD DRIVE SPECS |"
" | [5] FM DIRECTORY |"
" |                                     OPTION --> <&OPTION |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"

```

```

-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO HULL1D;
-IF &OPTION EQ 5 GOTO ONE;
-GOTO HULL1
-*
```

```

-HULL1A
-*
```

```

MODIFY FILE PROPULSN
CRTFORM LINE 1
```

```

"-----"
" |                                     ADD SYS DESIGNS (PROSYS SEGMENT) | "
"-----"
" | <77 | "
" | TYPE | <16 < PRO_TYP | <77 | "
" | SUBTYPE | <16 < PRO_STYP | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
```

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A
```

```

-*
```

```

CASE HULL1A
-*
```

```

CRTFORM LINE 1
```

```

"-----"
" |                                     ADD DESIGNS (PROSYS SEGMENT) | "
"-----"
" | MFR/DESIGNER | <16 < MFR_ID | <77 | "
" | MFR_NUMBER | <16 < MFR_NO | <77 | "
"-----"
" | <77 | "
" |                                     COMMENTS | <77 | "
" | <77 | "
" | <4 <MFR_COM1 | <77 | "
" | <4 <MFR_COM2 | <77 | "
" | <4 <MFR_COM3 | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
```

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH MFR_ID MFR_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULL1A
```

```

-*
```

```

ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1B
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | ADD SYS DESCRIPTION (PRODESC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B
- *
CASE HULL1B
- *
CRTFORM LINE 1
"-----"
" | ADD DESCRIPTION (PRODESC SEGMENT) | "
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR_NUMBER <16 < MFR_NO <77 | "
"-----"
" | FUNCTION <13 < PRO_FNCTN <38 HP TYPE <50 <PRO_HP_TYP<77 | "
" | HP COMMENT <13 < PRO_HP_COM <38 FUEL TYPE <50 <PRO_FUEL <77 | "
" | ST METHOD <13 < PRO_ST_MTHD<38 TURBO (Y/N) <50 <PRO_TURBO <77 | "
" | <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 < PR_COM1 <77 | "
" | <4 < PR_COM2 <77 | "
" | <4 < PR_COM3 <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_FNCTN
ON MATCH REJECT

```

```

ON NOMATCH INCLUDE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1C
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | ADD SYS SPECIFICATIONS (PROSPEC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C
- *
CASE HULL1C
- *
CRTFORM LINE 1
"-----"
" | *** ADD SPECIFICATIONS (PROSPEC SEGMENT) *** | "
"-----"
" | MFR/DES <20 <MFR_ID <77 | "
" | MFR NO <20 <MFR_NO <77 | "
" | HP <20 <PRO_HP <38 RPM <60 <PRO_RPM <77 | "
" | VOLUME <20 <PRO_VOL <38 WEIGHT <60 <PRO_WEIGHT <77 | "
" | LENGTH <20 <PRO_LEN <38 WIDTH <60 <PRO_WIDTH <77 | "
" | HEIGHT <20 <PRO_HEIGHT <38 SFC <60 <PRO_SFC <77 | "
" | PWR/COST <20 <PRO_PWR_CST <38 MNT COST <60 <PRO_MNT_CST <77 | "
" | MNT HOURS <20 <PRO_MNT_MHR <38 CYCLES <60 <PRO_CYCLE <77 | "
" | NO CYLDRS <20 <PRO_NO_CYL <38 STROKE <60 <PRO_STROK <77 | "
" | BORE <20 <PRO_BORE <38 MEP <60 <PRO_MEP <77 | "
" | REL RATING <20 <PRO_REL_RAT <38 ORD_TM <60 <PRO_ORD_TM <77 | "
" | DIS <20 <PRO_DIS <77 | "
" | COMMENTS <77 | "
" | <4 <SPEC_COM1 <77 | "
" | <4 <SPEC_COM2 <77 | "
" | <4 <SPEC_COM3 <77 | "
" | *** [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT *** | "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT

```

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```

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO DRV_MFR
ON MATCH REJECT
ON NOMATCH INCLUDE

```

```

- *
ENDCASE
- *

```

```

DATA
END
- *

```

```

-RUN
-GOTO HULL1
- *

```

```

-AMV1
- *

```

```

MODIFY FILE PROPULSN
CRTFORM LINE 1

```

```

"-----"
" | ADD AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | SYS TYPE <16 < PRO_TYP <77 | "
" | SYS SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV1

```

```

- *
CASE AMV1
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" | ADD AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | SHIP ID <16 < SHIP_ID <77 | "
" | <77 | "
" | SHIP NAME <16 < SHIP_NAME <77 | "
" | SHIP FLAG <16 < SHIP_FLAG <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```

```

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
MATCH SHIP ID
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVA1
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO ONE
- *
- *
-LIT1
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | ADD LITERATURE REFERENCES (LITREF SEGMENT) |"
"-----"
" | <77 |"
" | SYS TYPE <16 < PRO_TYP <77 |"
" | SYS SUBTYPE <16 < PRO_STYP <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1
- *
CASE LIT1
- *
CRTFORM LINE 1
"-----"
" | ADD LITERATURE REFERENCES (LITREF SEGMENT) |"
"-----"
" | <77 |"
" | REFERENCE NO <17 < REF_NUM <77 |"
" | <77 |"
" | DESCRIPTION <17 < REF_DESC <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"

```



```

ON MATCH CRTFORM
"
"      COMMENTS  <77 |"
"  <77 |"
"  <T.PRO_COM1> <77 |"
"  <T.PRO_COM2> <77 |"
"  <T.PRO_COM3> <77 |"
"  <77 |"
"  <77 |"
"  <77 |"
"
"-----"
"  [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
ON MATCH UPDATE PRO_COM1 PRO_COM2 PRO_COM3
DATA
END
- *
-RUN
-GOTO TWO
- *
-HULL2
- *
-CRTFORM LINE 1
"-----"
"  SYS DESIGN CHG OPTIONS FOR PROPULSN FILE - OEB220
"-----"
"
"      OPTIONS LIST
"
"      [1] CHG SYS DESIGN
"      [2] CHG SYS DESCRIPTION
"      [3] CHG SYS SPECIFICATIONS
"      [4] CHG DRIVE SPECS
"      [5] FM DIRECTORY
"
"      OPTION --> <&OPTION
"
"  <77 |"
"  <77 |"
"-----"
"  [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
- *
-IF &OPTION EQ 1 GOTO HULL2A;
-IF &OPTION EQ 2 GOTO HULL2B;
-IF &OPTION EQ 3 GOTO HULL2C;
-IF &OPTION EQ 4 GOTO HULL2D;
-IF &OPTION EQ 5 GOTO TWO;
-GOTO HULL2
- *
-HULL2A
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
"  CHG SYS DESIGN (PROSYS SEGMENT)
"-----"
"
"  <77 |"
"  TYPE          <16 < PRO_TYP  <77 |"
"  SUBTYPE       <16 < PRO_STYP <77 |"
"  <77 |"
"  <77 |"
"  <77 |"

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A
- *
CASE HULLA2A
- *
CRTFORM LINE 1
" |-----"
" | CHG DESIGN (PROSYS SEGMENT) | "
" |-----"
" | <77 | "
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <77 | "
" | <30 ( PRESS RETURN ) <77 | "
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <T.MFR_COM1> <77 | "
" | <4 <T.MFR_COM2> <77 | "
" | <4 <T.MFR_COM3> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE MFR_COM1 MFR_COM2 MFR_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-HULL2B
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
" |-----"
" | CHG SYS DESCRIPTION (PRODESC SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "

```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

```
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2B
```

```
-*
CASE HULLA2B
```

```
-*
CRTFORM LINE 1
```

```
" | CHG DESCRIPTION (PRODESC SEGMENT) | "
```

```
" | MFR/DESIGNER <16 < MFR_ID <77 | "
```

```
" | MFR NUMBER <16 < MFR_NO <77 | "
```

```
" | <30 ( PRESS RETURN ) <77 | "
```

```
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_FNCTN
ON NOMATCH REJECT
ON MATCH CRTFORM
```

```
" | FUNCTION <13 <T.PRO_FNCTN> <38 HP TYPE <50 <T.PRO_HP_TYP><77 | "
```

```
" | HP COMMENT<13 <T.PRO_HP_COM> <38 FUEL TYPE <50 <T.PRO_FUEL> <77 | "
```

```
" | ST METHOD <13 <T.PRO_ST_MTHD><38 TURBO (Y/N)<50 <T.PRO_TURBO> <77 | "
```

```
" | <77 | "
```

```
" | COMMENTS <77 | "
```

```
" | <77 | "
```

```
" | <4 <T.PR_COM1> <77 | "
```

```
" | <4 <T.PR_COM2> <77 | "
```

```
" | <4 <T.PR_COM3> <77 | "
```

```
" | <77 | "
```

```
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

```
ON MATCH UPDATE PRO_FNCTN PRO_HP_TYP PRO_HP_COM PRO_FUEL PRO_ST_MTHD
ON MATCH UPDATE PRO_TURBO PR_COM1 PR_COM2 PR_COM3
```

```
-*
ENDCASE
```

```
-*
DATA
END
```

```
-*
-RUN
-GOTO HULL2
-*
-HULL2C
-*
```

```
MODIFY FILE PROPULSN
CRTFORM LINE 1
```

```
" | CHG SPECIFICATIONS (PROSPEC SEGMENT) | "
```

```
" | <77 | "
```

```

" TYPE <16 < PRO_TYP <77 "
" SUBTYPE <16 < PRO_STYP <77 "
" <77 "
" <77 "
" <77 "
" <77 "
" <77 "
" <77 "
" <77 "
" <77 "
" <77 "

```

```

" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

```

```

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C

```

```

- *
CASE HULLA2C

```

```

- *
CRTFORM LINE 1

```

```

" *** CHG SPECIFICATIONS (PROSPEC SEGMENT) ***
" MFR/DESIGNER <16 < MFR_ID <77 "
" MFR NUMBER <16 < MFR_NO <30 ( PRESS RETURN ) <77 "

```

```

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_HP
ON NOMATCH REJECT
ON MATCH CRTFORM

```

```

" HP <20 <T.PRO_HP> <38 RPM <60 <T.PRO_RPM> <77 "
" VOLUME <20 <T.PRO_VOL> <38 WEIGHT <60 <T.PRO_WEIGHT> <77 "
" LENGTH <20 <T.PRO_LEN> <38 WIDTH <60 <T.PRO_WIDTH> <77 "
" HEIGHT <20 <T.PRO_HEIGHT> <38 SFC <60 <T.PRO_SFC> <77 "
" PWR/COST <20 <T.PRO_PWR_CST> <38 MNT COST <60 <T.PRO_MNT_CST> <77 "
" MNT HOURS <20 <T.PRO_MNT_MHR> <38 CYCLES <60 <T.PRO_CYCLE> <77 "
" NO CYLDRS <20 <T.PRO_NO_CYL> <38 STROKE <60 <T.PRO_STROK> <77 "
" BORE <20 <T.PRO_BORE> <38 MEP <60 <T.PRO_MEP> <77 "
" REL RATING <20 <T.PRO_REL_RAT> <38 ORD_TM <60 <T.PRO_ORD_TM> <77 "
" DIS <20 <T.PRO_DIS> <77 "

```

```

COMMENTS <77 "

```

```

" <4 <T.SPEC_COM1> <77 "
" <4 <T.SPEC_COM2> <77 "
" <4 <T.SPEC_COM3> <77 "

```

```

" *** [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT ***

```

```

ON MATCH UPDATE PRO_HP PRO_RPM PRO_VOL PRO_WEIGHT PRO_LEN PRO_WIDTH
ON MATCH UPDATE PRO_HEIGHT PRO_SFC PRO_PWR_CST PRO_MNT_CST PRO_MNT_MHR
ON MATCH UPDATE PRO_CYCLE PRO_NO_CYL PRO_STROK PRO_BORE PRO_MEP
ON MATCH UPDATE PRO_REL_RAT PRO_ORD_TM PRO_DIS PRO_COM1 PRO_COM2
ON MATCH UPDATE PRO_COM3

```

SPEC

SPEC SPEC

```

- *
ENDCASE

```

```

- *
DATA
END

```

```

- *
-RUN
-GOTO HULL2
- *
-HULL2D

```

CHANGED
6/4/87

```

- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | CHG DRIVE SYSTEM DATA (PRODRV SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2D
- *
CASE HULLA2D
- *
CRTFORM LINE 1
"-----"
" | CHG DRIVE SYSTEM DATA (PRODRV SEGMENT) | "
"-----"
" | MFR/DESIGNER <20 < MFR_ID <77 | "
" | MFR_NUMBER <20 < MFR_NO <33 (PRESS RETURN) <77 | "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO DRV_MFR
ON NOMATCH REJECT
ON MATCH CRTFORM
" | DRIVE MFR <20 < T.DRV_MFR <77 | "
" | DRIVE MODEL <20 < T.DRV_MOD <77 | "
" | DRIVE TYPE <20 < T.DRV_TYP <77 | "
" | RED_RATIO <20 < T.DRV_RED_RAT <77 | "
" | VOLUME <20 < T.DRV_VOL <77 | "
" | WEIGHT <20 < T.DRV_WEIGHT <77 | "
" | REVERSING (Y/N) <20 < T.DRV_REV <77 | "
" | COMMENTS <77 | "
" | <4 < T.DRV_COM1 <77 | "
" | <4 < T.DRV_COM2 <77 | "
" | <4 < T.DRV_COM3 <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE DRV_MFR DRV_MOD DRV_TYP DRV_RED_RAT DRV_VOL
ON MATCH UPDATE DRV_WEIGHT DRV_REV DRV_COM1 DRV_COM2 DRV_COM3
- *
ENDCASE
- *
DATA
END
- *

```

AO-A193 920

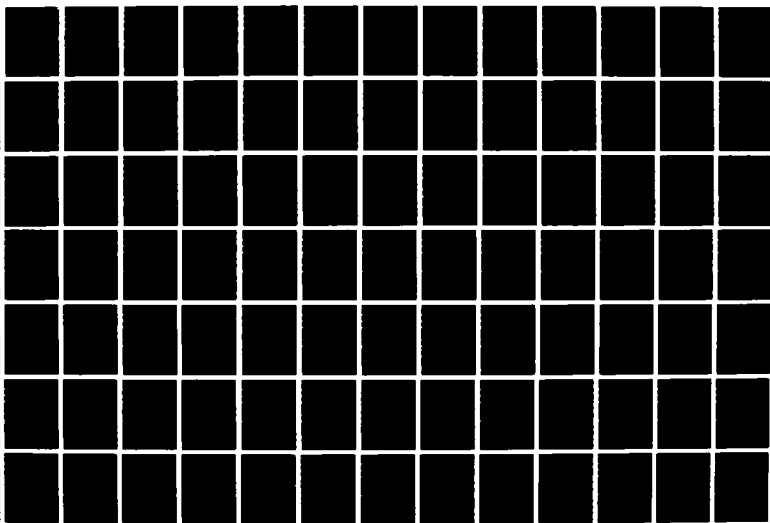
SURVEY OF TECHNOLOGY WITH POSSIBLE APPLICATIONS TO
UNITED STATES COAST GU. (U) COAST GUARD RESEARCH AND
DEVELOPMENT CENTER GROTON CT S ALLEN ET AL. SEP 87
CG-D-86-88-VOL-3

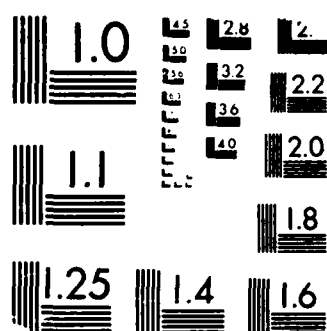
2/4

UNCLASSIFIED

F/G 12/5

NL





MICROCOPY RESOLUTION TEST CHART
 101411 STANDARDS 1963 A


```

-RUN
-GOTO HULL2
-★
-AMV2
-★
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | CHG AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2
-★
CASE AMV2
-★
CRTFORM LINE 1
"-----"
" | CHG AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | SHIP ID <16 < SHIP_ID <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH SHIP_ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | SHIP NAME <16 <T.SHIP_NAME> <77 | "
" | SHIP FLAG <16 <T.SHIP_FLAG> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2
-★
ENDCASE
-★
DATA

```

```

END
- *
-RUN
-GOTO TWO
- *
- *
-LIT2
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | CHG LITERATURE REFERENCE (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2
- *
CASE LITA2
- *
CRTFORM LINE 1
"-----"
" | CHG LITERATURE REFERENCE (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | REF NUMBER <17 < REF_NUM <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | REFERENCE DESCRIPTION | "
" | <77 | "
" | <8 <T.REF_DESC> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE REF_DESC
GOTO LITA2
- *

```

```

ENDCASE
- *
DATA
END
- *
-RUN
-GOTO TWO
-*****
-THREE
-*****
-CRTFORM LINE 1
- "
- "-----"
- "      DELETE SYSTEMS OPTIONS FOR PROPULSN FILE - OEB220      "
- "-----"
- "
- "
- "      OPTIONS LIST
- "
- "      [1] DEL MAIN SEGMENT
- "      [2] DEL DESIGN SEGMENT
- "      [3] DEL AMV REFERENCES
- "      [4] DEL LITERATURE REFS
- "      [5] FM DIRECTORY
- "
- "      OPTION --> <&OPTION
- "
- "      <77 | "
- "      <77 | "
- "-----"
- "      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- "-----"
- *
-IF &OPTION EQ 1 GOTO MAIN3;
-IF &OPTION EQ 2 GOTO HULL3;
-IF &OPTION EQ 3 GOTO AMV3;
-IF &OPTION EQ 4 GOTO LIT3;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO THREE
- *
-MAIN3
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
- "
- "-----"
- "      DELETE MAIN SYSTEM (PROTYP SEGMENT)
- "-----"
- "
- "      <77 | "
- "      TYPE      <10 < PRO_TYP      <77 | "
- "      SUBTYPE <10 < PRO_STYP      <77 | "
- "      <77 | "
- "      <33 ( PRESS RETURN ) <77 | "
- "-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM
- "
- "      <77 | "
- "
- "      COMMENTS <77 | "
- "
- "      <4 <D.PRO_COM1 <77 | "
- "      <4 <D.PRO_COM2 <77 | "
- "      <4 <D.PRO_COM3 <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "

```



```

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A
-*
CASE HULLA3A
-*
CRTFORM LINE 1
"-----"
" | DEL DESIGN (PROSYS SEGMENT) | "
"-----"
" | <77 | "
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <32 (PRESS RETURN) <77 | "
" | <77 | "
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" | COMMENTS <77 | "
" | <4 <D.MFR_COM1 <77 | "
" | <4 <D.MFR_COM2 <77 | "
" | <4 <D.MFR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
GOTO HULLA3A
-*
ENDCASE
-*
DATA
END
-*
-RUN
-GOTO HULL3
-*
-HULL3B
-*
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | DEL SYS DESCRIPTION (PRODESC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B
- *
CASE HULLA3B
- *
CRTFORM LINE 1
"-----"
" | DEL DESCRIPTION (PRODESC SEGMENT) | "
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR_NUMBER <16 < MFR_NO <77 | "
" | <30 ( PRESS RETURN ) <77 | "
"-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_FNCTN
ON NOMATCH REJECT
ON MATCH CRTFORM
" | FUNCTION <13 <D.PRO_FNCTN> <38 HP TYPE <50 <D.PRO_HP_TYP><77 | "
" | HP COMMENT<13 <D.PRO_HP_COM> <38 FUEL TYPE <50 <D.PRO_FUEL> <77 | "
" | ST METHOD <13 <D.PRO_ST_MTHD><38 TURBO (Y/N)<50 <D.PRO_TURBO> <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <D.PR_COM1> <77 | "
" | <4 <D.PR_COM2> <77 | "
" | <4 <D.PR_COM3> <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3C
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
"-----"
" | DEL SYS SPECIFICATIONS (PROSPEC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C
- *
CASE HULLA3C
- *
CRTFORM LINE 1
" |-----"
" | *** DEL DESCRIPTION (PROSPEC SEGMENT) *** | "
" | MFR/DESIGNER <20 < MFR ID <77 | "
" | MFR NUMBER <20 < MFR_NO ( PRESS RETURN ) <77 | "
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_HP
ON NOMATCH REJECT
ON MATCH CRTFORM
" | HP <20 <D.PRO_HP> <38 RPM <60 <D.PRO_RPM> <77 | "
" | VOLUME <20 <D.PRO_VOL> <38 WEIGHT <60 <D.PRO_WEIGHT> <77 | "
" | LENGTH <20 <D.PRO_LEN> <38 WIDTH <60 <D.PRO_WIDTH> <77 | "
" | HEIGHT <20 <D.PRO_HEIGHT> <38 SFC <60 <D.PRO_SFC> <77 | "
" | PWR/COST <20 <D.PRO_PWR_CST> <38 MNT COST <60 <D.PRO_MNT CST> <77 | "
" | MNT HOURS <20 <D.PRO_MNT_MHR> <38 CYCLES <60 <D.PRO_CYCLE> <77 | "
" | NO CYLDRS <20 <D.PRO_NO_CYL> <38 STROKE <60 <D.PRO_STROK> <77 | "
" | BORE <20 <D.PRO_BORE> <38 MEP <60 <D.PRO_MEP> <77 | "
" | REL RATING<20 <D.PRO_REL_RAT><38 ORD TM <60 <D.PRO_ORD_TM> <77 | "
" | DIS <20 <D.PRO_DIS> <77 | "
" | COMMENTS <77 | "
" | <4 <D.SPEC_COM1> <77 | "
" | <4 <D.SPEC_COM2> <77 | "
" | <4 <D.SPEC_COM3> <77 | "
" | *** [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT *** | "
" |-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3D
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
" |-----"
" | DEL DRIVE SYSTEM DATA (PRODRV SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3D
- *
CASE HULLA3D
- *
CRTFORM LINE 1
" |-----"
" | DEL DRIVE SYSTEM DATA (PRODRV SEGMENT) | "
" |-----"
" | <77 | "
" | MFR/DESIGNER <20 < MFR_ID <77 | "
" | MFR NUMBER <20 < MFR_NO <33 (PRESS RETURN) <77 | "
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO DRV_MFR
ON NOMATCH REJECT
ON MATCH CRTFORM
" | DRIVE MFR <20 <D.DRV_MFR> <77 | "
" | DRIVE MODEL <20 <D.DRV_MOD> <77 | "
" | DRIVE TYPE <20 <D.DRV_TYP> <77 | "
" | RED RATIO <20 <D.DRV_RED_RAT> <77 | "
" | VOLUME <20 <D.DRV_VOL> <77 | "
" | WEIGHT <20 <D.DRV_WEIGHT> <77 | "
" | REVERSING (Y/N) <20 <D.DRV_REV> <77 | "
" | COMMENTS <77 | "
" | <4 <D.DRV_COM1> <77 | "
" | <4 <D.DRV_COM2> <77 | "
" | <4 <D.DRV_COM3> <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-AMV3
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
" |-----"
" | DEL AMV REFERENCES (AMVREF SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "

```



```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3
- *
CASE AMVA3
- *
CRTFORM LINE 1
" |-----"
" | DEL AMV REFERENCES (AMVREF SEGMENT) | "
" |-----"
" | <77 | "
" | SHIP ID <16 < SHIP_ID <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
" |-----"
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | SHIP_NAME <16 < D.SHIP_NAME <77 | "
" | SHIP_FLAG <16 < D.SHIP_FLAG <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH DELETE
GOTO AMVA3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO THREE
- *
-LIT3
- *
MODIFY FILE PROPULSN
CRTFORM LINE 1
" |-----"
" | DEL LITERATURE REFERENCE (LITREF SEGMENT) | "
" |-----"

```


- *
EX OEB200
END
- *
- RUN
- GOTO TOP

```

- *-----*
- *          FILE MAINTENANCE ROUTINE FOR PROPULSR FILE - OEB230          *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH          *
- *DESIGNED BY    : M. J. STEVENS (VTC)                                *
- *DATE LAST REV  : 5/12/87                                           *
- *-----*
- *
- TOP
- DEFAULTS &OPTION=0
- CRTFORM LINE 1
- "-----"
- "          FILE MAINTENANCE ROUTINES FOR PROPULSR FILE - OEB230          "
- "-----"
- "
- "
- "          MAINTENANCE OPTIONS LIST
- "
- "          [1] ADD PROPULSOR SYS
- "          [2] CHG PROPULSOR SYS
- "          [3] DEL PROPULSOR SYS
- "          [4] EXIT PROPULSOR FILE
- "
- "          OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- " <77 | "
- "-----"
- "          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
- "-----"
- *
- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- IF &OPTION EQ 4 GOTO FOUR;
- GOTO TOP
- *
- ONE
- *
- CRTFORM LINE 1
- "-----"
- "          ADD SYSTEM OPTIONS FOR PROPULSR FILE - OEB230          "
- "-----"
- "
- "
- "          OPTIONS LIST
- "
- "          [1] ADD MAIN SEGMENT
- "          [2] ADD DESIGN SEGMENT
- "          [3] ADD AMV REFERENCE
- "          [4] ADD LITERATURE REF
- "          [5] FM DIRECTORY
- "
- "          OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- "-----"
- "          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
- "-----"
- *
- IF &OPTION EQ 1 GOTO MAIN1;

```

```

-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

```

```
-*
```

```
-MAIN1
```

```
-*
```

```

MODIFY FILE PROPULSR
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD NEW SYSTEM (PROTYP SEGMENT) |"
"-----"
" | TYPE      <10 < PRO_TYP      <77 |"
" | SUBTYPE   <10 < PRO_STYP     <77 |"
"-----"
" | <77 |"
" |                                     COMMENTS: <77 |"
" | <77 |"
" | < PRO_COM1 <77 |"
" | < PRO_COM2 <77 |"
" | < PRO_COM3 <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"

```

```

MATCH PRO_TYP PRO_STYP
ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END

```

```
-*
```

```
-RUN
```

```
-GOTO ONE
```

```
-*
```

```
-HULL1
```

```
-*
```

```
-CRTFORM LINE 1
```

```

"-----"
" |                                     SYS DESIGN ADD OPTIONS FOR PROPULSR FILE - OEB230 |"
"-----"
" |                                     OPTIONS LIST |"
" | [1] ADD SYS DESIGN |"
" | [2] ADD SYS DESCRIPTION |"
" | [3] ADD SYS SPECIFICATIONS |"
" | [4] ADD SHAFT SPECS |"
" | [5] FM DIRECTORY |"
" |                                     OPTION --> <&OPTION |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"

```

```

-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO HULL1D;
-IF &OPTION EQ 5 GOTO ONE;
-GOTO HULL1

```

-*

-HULL1A

-*

```

MODIFY FILE PROPULSR
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD SYS DESIGNS (PROSYS SEGMENT)                                     | "
"-----"
" | <77 | "
" | TYPE          <16 < PRO_TYP  <77 | "
" | SUBTYPE       <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A

```

-*

CASE HULL1A

-*

```

CRTFORM LINE 1

```

```

"-----"
" |                                     ADD DESIGNS (PROSYS SEGMENT)                                     | "
"-----"
" | MFR/DESIGNER   <16 < MFR_ID   <77 | "
" | MFR_NUMBER    <16 < MFR_NO   <77 | "
"-----"
" | <77 | "
" |                                     COMMENTS <77 | "
" | <77 | "
" | <4 <MFR_COM1 <77 | "
" | <4 <MFR_COM2 <77 | "
" | <4 <MFR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH MFR_ID MFR_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULL1A

```

-*

```

ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1B
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"-----"
" | ADD SYS DESCRIPTION (PRODESC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B
- *
CASE HULL1B
- *
CRTFORM LINE 1
"-----"
" | ADD DESCRIPTION (PRODESC SEGMENT) | "
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR_NUMBER <16 < MFR_NO <77 | "
"-----"
" | TRAIN (Y/N) <12 < PRO_TRAIN <38 MATERIAL <50 <PRO_MAT <77 | "
" | VAR PTCH (Y/N) <12 < PRO_VAR_PTCH <38 CNT PTCH (Y/N) <50 <PRO_CNT_PTCH <77 | "
" | FULL REV (Y/N) <12 < PRO_FULL_REV <38 DUCTED (Y/N) <50 <PRO_DUCTED <77 | "
" | TUN DRV (Y/N) <12 < PRO_TUNNEL <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 < PR_COM1 <77 | "
" | <4 < PR_COM2 <77 | "
" | <4 < PR_COM3 <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_TRAIN
ON MATCH REJECT

```

ON NOMATCH INCLUDE

-*
ENDCASE

-*
DATA
END

-*
-RUN
-GOTO HULL1

-*
-HULL1C

-*
MODIFY FILE PROPULSR
CRTFORM LINE 1

```
"-----"
" |                                     ADD SYS SPECIFICATIONS (PROSPEC SEGMENT)                                     |"
"-----"
" | <77 | "
" | TYPE                <16 < PRO_TYP  <77 | "
" | SUBTYPE             <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C

-*
CASE HULL1C

-*
CRTFORM LINE 1

```
"-----"
" |                                     ADD SYS SPECIFICATIONS (PROSPEC SEGMENT)                                     |"
"-----"
" | MFR/DES  <20 <MFR_ID <77 | "
" | MFR NO   <20 <MFR_NO <77 | "
"-----"
" | PROP DIA  <20 <PRO_DIA      <38 WEIGHT  <60 <PRO_WEIGHT  <77 | "
" | MAX PITCH <20 <PRO_PTCH_MX  <38 NO BLADES <60 <PRO_NO_BLDS  <77 | "
" | AREA RATIO <20 <PRO_AREA_RAT <77 | "
" | <77 | "
" |                                     COMMENTS <77 | "
" | <4 <SPEC_COM1 <77 | "
" | <4 <SPEC_COM2 <77 | "
" | <4 <SPEC_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT


```

ON MATCH CONTINUE TO PRO_DIA
ON MATCH REJECT
ON NOMATCH INCLUDE

```

```

- *
ENDCASE
- *

```

```

DATA
END
- *

```

```

-RUN
-GOTO HULL1
- *

```

```

-HULL1D
- *

```

```

MODIFY FILE PROPULSR
CRTFORM LINE 1

```

```

"-----"
" | ADD SHAFT SYSTEM DATA (SHFTSPEC SEGMENT) | "
"-----"

```

```

" <77 | "
" TYPE <16 < PRO_TYP <77 | "
" SUBTYPE <16 < PRO_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "

```

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1D

```

```

- *
CASE HULL1D
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" | ADD SHAFT SYSTEM DATA (SHFTSPEC SEGMENT) | "
"-----"

```

```

" MFR/DESIGNER <20 < MFR_ID <77 | "
" MFR_NUMBER <20 < MFR_NO <77 | "
"-----"
" ANGLE <20 < SH_ANGL <77 | "
" MATERIAL <20 < SH_MAT <77 | "
" OUTER DIA <20 < SH_OD <77 | "
" INNER DIA <20 < SH_ID <77 | "
" MODULUS <20 < SH_SMOD <77 | "
" <77 | "
" COMMENTS <77 | "
" <77 | "
" <4 < SH_COM1 <77 | "
" <4 < SH_COM2 <77 | "
" <4 < SH_COM3 <77 | "

```

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO SH_ANGL
ON MATCH REJECT
ON NOMATCH INCLUDE

```

```

- *
ENDCASE
- *

```

```

DATA
END
- *

```

```

-RUN
-GOTO HULL1
- *

```

```

-AMV1
- *

```

```

MODIFY FILE PROPULSR
CRTFORM LINE 1

```

```

"-----"
" | ADD AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | SYS TYPE <16 < PRO_TYP <77 | "
" | SYS SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA1

```

```

- *
CASE AMVA1
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" | ADD AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | SHIP ID <16 < SHIP_ID <77 | "
" | <77 | "
" | SHIP NAME <16 < SHIP_NAME <77 | "
" | SHIP FLAG <16 < SHIP_FLAG <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```

```

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH SHIP ID
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVAL
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO ONE
- *
- *
-LIT1
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"-----"
" | ADD LITERATURE REFERENCES (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | SYS TYPE <16 < PRO_TYP <77 | "
" | SYS SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1
- *
CASE LIT1
- *
CRTFORM LINE 1
"-----"
" | ADD LITERATURE REFERENCES (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | REFERENCE NO <17 < REF_NUM <77 | "
" | <77 | "
" | DESCRIPTION <17 < REF_DESC <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```



```

ON MATCH CRTFORM
"
"      <77 | "
"      <T.PRO_COM1> <77 | "
"      <T.PRO_COM2> <77 | "
"      <T.PRO_COM3> <77 | "
"      <77 | "
"      <77 | "
"      <77 | "
"
"-----"
"      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
ON MATCH UPDATE PRO_COM1 PRO_COM2 PRO_COM3
DATA
END
- *
-RUN
-GOTO TWO
- *
-HULL2
- *
-CRTFORM LINE 1
"
"      SYS DESIGN CHG OPTIONS FOR PROPULSR FILE - OEB230
"-----"
"
"      OPTIONS LIST
"
"      [1] CHG SYS DESIGN
"      [2] CHG SYS DESCRIPTION
"      [3] CHG SYS SPECIFICATIONS
"      [4] CHG DRIVE SPECS
"      [5] FM DIRECTORY
"
"      OPTION --> <&OPTION
"
"      <77 | "
"      <77 | "
"-----"
"      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
- *
-IF &OPTION EQ 1 GOTO HULL2A;
-IF &OPTION EQ 2 GOTO HULL2B;
-IF &OPTION EQ 3 GOTO HULL2C;
-IF &OPTION EQ 4 GOTO HULL2D;
-IF &OPTION EQ 5 GOTO TWO;
-GOTO HULL2
- *
-HULL2A
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"
"      CHG SYS DESIGN (PROSYS SEGMENT)
"-----"
"
"      <77 | "
"      TYPE          <16 < PRO_TYP  <77 | "
"      SUBTYPE       <16 < PRO_STYP <77 | "
"      <77 | "
"      <77 | "
"      <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A
- *
CASE HULLA2A
- *
CRTFORM LINE 1
" |-----"
" | CHG DESIGN (PROSYS SEGMENT) | "
" |-----"
" | <77 | "
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <77 | "
" | <30 ( PRESS RETURN ) <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <T.MFR_COM1> <77 | "
" | <4 <T.MFR_COM2> <77 | "
" | <4 <T.MFR_COM3> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE MFR_COM1 MFR_COM2 MFR_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-HULL2B
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
" |-----"
" | CHG SYS DESCRIPTION (PRODESC SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "

```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

```
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2B
```

```
-*
CASE HULLA2B
```

```
-*
CRTFORM LINE 1
```

```
" | CHG DESCRIPTION (PRODESC SEGMENT) | "
```

```
" | MFR/DESIGNER <16 < MFR_ID <77 | "
```

```
" | MFR NUMBER <16 < MFR_NO <77 | "
```

```
" | <30 ( PRESS RETURN ) <77 | "
```

```
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_TRAIN
ON NOMATCH REJECT
ON MATCH CRTFORM
```

```
" | TRAIN (Y/N) <12<T.PRO_TRAIN> <38 MATERIAL <50<T.PRO_MAT> <77 | "
```

```
" | VAR PTCH (Y/N)<12<T.PRO_VAR_PTCH><38 CNT PTCH (Y/N)<50<T.PRO_CNT_PTCH><77 | "
```

```
" | FULL REV (Y/N)<12<T.PRO_FULL_REV><38 DUCTED (Y/N) <50<T.PRO_DUCTED> <77 | "
```

```
" | TUN DRV (Y/N) <12<T.PRO_TUNNEL> <77 | "
```

```
" | <77 | "
```

```
" | COMMENTS <77 | "
```

```
" | <77 | "
```

```
" | <4 <T.PR_COM1> <77 | "
```

```
" | <4 <T.PR_COM2> <77 | "
```

```
" | <4 <T.PR_COM3> <77 | "
```

```
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

```
ON MATCH UPDATE PRO_TRAIN PRO_MAT PRO_VAR_PTCH PRO_CNT_PTCH PRO_FULL_REV
ON MATCH UPDATE PRO_DUCTED PRO_TUNNEL PRO_COM1 PRO_COM2 PRO_COM3
```

```
-*
ENDCASE
```

```
-*
DATA
END
```

```
-*
-RUN
-GOTO HULL2
-*
-HULL2C
-*
```

```
MODIFY FILE PROPULSR
CRTFORM LINE 1
```

```
" | CHG SPECIFICATIONS (PROSPEC SEGMENT) | "
```

```
" | <77 | "
```



```

"-----"
"          CHG SYSTEM SHAFT DATA (SHFTSPEC SEGMENT)          "
"-----"
" <77 | "
" TYPE          <16 < PRO_TYP   <77 | "
" SUBTYPE       <16 < PRO_STYP  <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2D
- *
CASE HULLA2D
- *
CRTFORM LINE 1
"-----"
"          CHG SYSTEM SHAFT DATA (SHFTSPEC SEGMENT)          "
"-----"
" MFR/DESIGNER   <20 < MFR_ID   <77 | "
" MFR_NUMBER     <20 < MFR_NO   <33 (PRESS RETURN)   <77 | "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO SH_ANGL
ON NOMATCH REJECT
ON MATCH CRTFORM
" ANGLE          <20 <T.SH_ANGL>   <77 | "
" MATERIAL       <20 <T.SH_MAT>   <77 | "
" OUTER DIA      <20 <T.SH_OD>    <77 | "
" INNER DIA      <20 <T.SH_ID>    <77 | "
" MODULUS        <20 <T.SH_SMOD>  <77 | "
" <77 | "
"                                COMMENTS <77 | "
" <77 | "
" <4 <T.SH_COM1> <77 | "
" <4 <T.SH_COM2> <77 | "
" <4 <T.SH_COM3> <77 | "
"-----"
"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
"-----"
ON MATCH UPDATE SH_ANGL SH_MAT SH_OD SH_ID SH_SMOD SH_COM1 SH_COM2
ON MATCH UPDATE SH_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *

```

```

-AMV2
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"-----"
" |                                CHG AMV REFERENCES (AMVREF SEGMENT)                                |"
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                |"
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2
- *
CASE AMV2
- *
CRTFORM LINE 1
"-----"
" |                                CHG AMV REFERENCES (AMVREF SEGMENT)                                |"
"-----"
" | <77 | "
" | SHIP_ID <16 < SHIP_ID <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH SHIP_ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | SHIP_NAME <16 <T.SHIP_NAME> <77 | "
" | SHIP_FLAG <16 <T.SHIP_FLAG> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                |"
"-----"
ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2
- *
ENDCASE
- *
DATA
END
- *
-RUN

```

```

-GOTO TWO
- *
- *
-LIT2
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"-----"
" | CHG LITERATURE REFERENCE (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2
- *
CASE LITA2
- *
CRTFORM LINE 1
"-----"
" | CHG LITERATURE REFERENCE (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | REF NUMBER <17 < REF_NUM <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | REFERENCE DESCRIPTION | "
" | <77 | "
" | <8 <T.REF_DESC> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE REF_DESC
GOTO LITA2
- *
ENDCASE
- *
DATA

```

```

END
- *
-RUN
-GOTO TWO
-*****
-THREE
-*****
-CRTFORM LINE 1
- "
- |-----"
- |      DELETE SYSTEMS OPTIONS FOR PROPULSR FILE - OEB230      |
- |-----"
- |
- |      OPTIONS LIST
- |
- |      [1] DEL MAIN SEGMENT
- |      [2] DEL DESIGN SEGMENT
- |      [3] DEL AMV REFERENCES
- |      [4] DEL LITERATURE REFS
- |      [5] FM DIRECTORY
- |
- |      OPTION --> <&OPTION
- |
- |      <77 | "
- |      <77 | "
- |-----"
- |      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      |
- |-----"
- *
-IF &OPTION EQ 1 GOTO MAIN3;
-IF &OPTION EQ 2 GOTO HULL3;
-IF &OPTION EQ 3 GOTO AMV3;
-IF &OPTION EQ 4 GOTO LIT3;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO THREE
- *
-MAIN3
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
- "
- |-----"
- |      DELETE MAIN SYSTEM (PROTYP SEGMENT)      |
- |-----"
- |      <77 | "
- |      TYPE      <10 < PRO_TYP      <77 | "
- |      SUBTYPE <10 < PRO_STYP      <77 | "
- |      <77 | "
- |      <33 ( PRESS RETURN ) <77 | "
- |-----"
MATCH PRO_TYP PRO_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM
- |      <77 | "
- |
- |      COMMENTS <77 | "
- |
- |      <4 <D.PRO_COM1 <77 | "
- |      <4 <D.PRO_COM2 <77 | "
- |      <4 <D.PRO_COM3 <77 | "
- |      <77 | "
- |      <77 | "
- |      <77 | "
- |-----"
- |      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      |
- |-----"

```



```

ON NOMATCH REJECT
ON MATCH GOTO HULLA3A
- *
CASE HULLA3A
- *
CRTFORM LINE 1
"-----"
" |                                     | "
" |                                     | "
" | <77 | "
" | MFR/DESIGNER      <16 < MFR_ID      <77 | "
" | MFR NUMBER       <16 < MFR_NO      <32 (PRESS RETURN) <77 | "
" | <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" |                                     | "
" |                                     | "
" | <4 <D.MFR_COM1 <77 | "
" | <4 <D.MFR_COM2 <77 | "
" | <4 <D.MFR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
GOTO HULLA3A
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3B
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"-----"
" |                                     | "
" |                                     | "
" | <77 | "
" | TYPE              <16 < PRO_TYP      <77 | "
" | SUBTYPE           <16 < PRO_STYP     <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "

```

```

"-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B
- *
CASE HULLA3B
- *
CRTFORM LINE 1
"-----"
" | DEL DESCRIPTION (PRODESC SEGMENT) | "
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <30( PRESS RETURN ) <77 | "
"-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_TRAIN
ON NOMATCH REJECT
ON MATCH CRTFORM
" | TRAIN (Y/N) <12<D.PRO_TRAIN> <38 MATERIAL <50<D.PRO_MAT> <77 | "
" | VAR PTCH (Y/N)<12<D.PRO_VAR_PTCH><38 CNT PTCH (Y/N)<50<D.PRO_CNT_PTCH><77 | "
" | FULL REV (Y/N)<12<D.PRO_FULL_REV><38 DUCTED (Y/N) <50<D.PRO_DUCTED> <77 | "
" | TUN DRV (Y/N) <12<D.PRO_TUNNEL> <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <D.PR_COM1> <77 | "
" | <4 <D.PR_COM2> <77 | "
" | <4 <D.PR_COM3> <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3C
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"-----"
" | DEL SYS SPECIFICATIONS (PROSPEC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C
- *
CASE HULLA3C
- *
CRTFORM LINE 1
"-----"
" | CHG SPECIFICATIONS (PROSPEC SEGMENT) | "
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR_NUMBER <16 < MFR_NO <30 ( PRESS RETURN ) <77 | "
"-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO PRO_DIA
ON NOMATCH REJECT
ON MATCH CRTFORM
" | PROP DIA <20<D.PRO_DIA> <38 WEIGHT <60<D.PRO_WEIGHT> <77 | "
" | MAX PITCH <20<D.PRO_PTCH_MX> <38 NO BLADES<60<D.PRO_NO_BLDS> <77 | "
" | AREA RATIO<20<D.PRO_AREA_RAT><77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <4 <D.SPEC_COM1> <77 | "
" | <4 <D.SPEC_COM2> <77 | "
" | <4 <D.SPEC_COM3> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3D
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
"-----"
" | DEL SYSTEM SHAFT DATA (SHFTSPEC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```



```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3D
- *
CASE HULLA3D
- *
CRTFORM LINE 1
" |-----"
" | DEL SYSTEM SHAFT DATA (SHFTSPEC SEGMENT) | "
" |-----"
" | <77 | "
" | MFR/DESIGNER <20 < MFR_ID <77 | "
" | MFR NUMBER <20 < MFR_NO <33 (PRESS RETURN) <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO SH_ANGL
ON NOMATCH REJECT
ON MATCH CRTFORM
" | ANGLE <20 <D.SH_ANGL> <77 | "
" | MATERIAL <20 <D.SH_MAT> <77 | "
" | OUTER DIA <20 <D.SH_OD> <77 | "
" | INNER DIA <20 <D.SH_ID> <77 | "
" | MODULUS <20 <D.SH_SMOD> <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <D.SH_COM1> <77 | "
" | <4 <D.SH_COM2> <77 | "
" | <4 <D.SH_COM3> <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-AMV3
- *
MODIFY FILE PROPULSR
CRTFORM LINE 1
" |-----"
" | DEL AMV REFERENCES (AMVREF SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < PRO_TYP <77 | "
" | SUBTYPE <16 < PRO_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

```
MATCH PRO TYP PRO STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA3
```

```
-*
CASE AMVA3
```

```
-*
CRTFORM LINE 1
```

```
" | [TAB] DEL AMV REFERENCES (AMVREF SEGMENT) | "
```

```
" | <77 | "
```

```
" | SHIP ID <16 < SHIP_ID <77 | "
```

```
" | <77 | "
```

```
" | <33 ( PRESS RETURN ) <77 | "
```

```
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
```

```
" | <77 | "
```

```
" | SHIP_NAME <16 < D.SHIP_NAME <77 | "
```

```
" | SHIP_FLAG <16 < D.SHIP_FLAG <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | <77 | "
```

```
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

```
ON MATCH DELETE
GOTO AMVA3
```

```
-*
ENDCASE
```

```
-*
DATA
END
```

```
-*
-RUN
-GOTO THREE
```

```
-*
-LIT3
```

```
-*
MODIFY FILE PROPULSR
CRTFORM LINE 1
```

```
" | [TAB] DEL LITERATURE REFERENCE (LITREF SEGMENT) | "
```

```
" | <77 | "
```

```
" | TYPE <16 < PRO_TYP <77 | "
```

```
" | SUBTYPE <16 < PRO_STYP <77 | "
```


-*
-RUN
-GOTO TOP

```

- *-----*
- *          FILE MAINTENANCE ROUTINE FOR WGTHANDL FILE - OEB240          *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH             *
- *DESIGNED BY    : M. J. STEVENS (VTC)                                   *
- *DATE LAST REV  : 4/16/87                                              *
- *-----*
- *
- TOP
- DEFAULTS &OPTION=0
- CRTFORM LINE 1
- "-----"
- "          FILE MAINTENANCE ROUTINES FOR WGTHANDL FILE - OEB240          "
- "-----"
- "
- "          MAINTENANCE OPTIONS LIST
- "
- "          [1] ADD WT HANDLING SYS
- "          [2] CHG WT HANDLING SYS
- "          [3] DEL WT HANDLING SYS
- "          [4] EXIT WGTHANDL FILE
- "
- "          OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- " <77 | "
- "-----"
- "          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
- "-----"
- *
- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- IF &OPTION EQ 4 GOTO FOUR;
- GOTO TOP
- *
- ONE
- *
- CRTFORM LINE 1
- "-----"
- "          ADD SYSTEM OPTIONS FOR WGTHANDL FILE - OEB240          "
- "-----"
- "
- "          OPTIONS LIST
- "
- "          [1] ADD MAIN SEGMENT
- "          [2] ADD DESIGN SEGMENT
- "          [3] ADD AMV REFERENCE
- "          [4] ADD LITERATURE REF
- "          [5] FM DIRECTORY
- "
- "          OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- " <77 | "
- "-----"
- "          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
- "-----"
- *

```



```

- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1B
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
"-----"
" ADD SYS DESCRIPTION (WTDESC SEGMENT) "
"-----"
" <77 | "
" TYPE <16 < WT_TYP <77 | "
" SUBTYPE <16 < WT_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B
- *
CASE HULL1B
- *
CRTFORM LINE 1
"-----"
" ADD DESCRIPTION (WTDESC SEGMENT) "
"-----"
" MFR/DESIGNER <16 < MFR_ID <77 | "
" MFR_NUMBER <16 < MFR_NO <77 | "
"-----"
" PRI FUNCTION <12 < WT_PRI_FN <38 POWER TYPE <WT_PWR_TYP <77 | "
" DYN POS (Y/N) <12 < WT_DYN_POS <77 | "
" <77 | "
" <77 | "
" <77 | "
" COMMENTS <77 | "
" <77 | "
" <4 < DESC_COM1 <77 | "
" <4 < DESC_COM2 <77 | "
" <4 < DESC_COM3 <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_PRI_FN
ON MATCH REJECT
ON NOMATCH INCLUDE

```



```

- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-HULL1C
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
"-----"
" | ADD SYS SPECIFICATIONS (WTSPEC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < WT_TYP <77 | "
" | SUBTYPE <16 < WT_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C
- *
CASE HULL1C
- *
CRTFORM LINE 1
"-----"
" | ADD SYS SPECIFICATIONS (WTSPEC SEGMENT) | "
"-----"
" | MFR/DES <20 <MFR_ID <77 | "
" | MFR_NO <20 <MFR_NO <77 | "
"-----"
" | REACH <20 <WT_REACH <38 CAPACITY <60 <WT_CAP <77 | "
" | SYS WEIGHT <20 <WT_WEIGHT <38 LO VELOCITY <60 <WT_VEL <77 | "
" | TIP MOMENT <20 <WT_MOM <38 SYS VOLUME <60 <WT_VOL <77 | "
" | SYS COST <20 <WT_COST <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <4 <SPEC_COM1 <77 | "
" | <4 <SPEC_COM2 <77 | "
" | <4 <SPEC_COM3 <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_REACH

```

```

      ON MATCH REJECT
      ON NOMATCH INCLUDE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL1
- *
-AMV1
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | SYS TYPE          <16 < WT_TYP      <77 | "
" | SYS SUBTYPE       <16 < WT_STYP     <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMVA1

```

```

- *
CASE AMVA1
- *
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD AMV REFERENCES (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | SHIP ID          <16 < SHIP_ID      <77 | "
" | <77 | "
" | SHIP NAME <16 < SHIP_NAME <77 | "
" | SHIP FLAG <16 < SHIP_FLAG <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH SHIP_ID

```

```

ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVAL
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO ONE
- *
- *
-LIT1
- *

```

```

MODIFY FILE WGTHANDL
CRTFORM LINE 1

```

```

"-----"
" |                                     | "
" |                                     | "
" | <77 | "
" | SYS TYPE <16 < WT_TYP <77 | "
" | SYS SUBTYPE <16 < WT_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1

```

```

- *
CASE LIT1
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" |                                     | "
" |                                     | "
" | <77 | "
" | REFERENCE NO <17 < REF_NUM <77 | "
" | <77 | "
" | DESCRIPTION <17 < REF_DESC <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```



```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH WT TYP WT STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A
- *
CASE HULLA2A
- *
CRTFORM LINE 1
"-----"
" | CHG DESIGN (WTSYS SEGMENT) | "
"-----"
" | <77 | "
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <77 | "
" | <30 ( PRESS RETURN ) <77 | "
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <T.MFR_COM1> <77 | "
" | <4 <T.MFR_COM2> <77 | "
" | <4 <T.MFR_COM3> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE MFR_COM1 MFR_COM2 MFR_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-HULL2B
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
"-----"
" | CHG SYS DESCRIPTION (WTDESC SEGMENT) | "
"-----"
" | <77 | "
" | TYPE <16 < WT_TYP <77 | "
" | SUBTYPE <16 < WT_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH WT TYP WT STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2B
- *
CASE HULLA2B
- *
CRTFORM LINE 1
" |-----"
" | CHG DESCRIPTION (WTDESC SEGMENT) | "
" |-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <30 ( PRESS RETURN ) <77 | "
" |-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_PRI_FN
ON NOMATCH REJECT
ON MATCH CRTFORM
" | PRI FUNCTION <12 <T.WT_PRI_FN> <38 POWER TYPE <50 <T.WT_PWR_TYP> <77 | "
" | DYN POS (Y/N) <12 <T.WT_DYN_POS> <77 | "
" | <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <T.DESC_COM1> <77 | "
" | <4 <T.DESC_COM2> <77 | "
" | <4 <T.DESC_COM3> <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE WT PRI_FN WT_PWR_TYP WT_DYN_POS DESC_COM1 DESC_COM2
ON MATCH UPDATE DESC_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-HULL2C
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
" |-----"
" | CHG SPECIFICATIONS (WTSPEC SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < WT_TYP <77 | "
" | SUBTYPE <16 < WT_STYP <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH WT TYP WT STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C
- *
CASE HULLA2C
- *
CRTFORM LINE 1
" |-----"
" | CHG SPECIFICATIONS (WTSPEC SEGMENT) | "
" |-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR_NUMBER <16 < MFR_NO <30 ( PRESS RETURN ) <77 | "
" |-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_REACH
ON NOMATCH REJECT
ON MATCH CRTFORM
" | REACH <20 <T.WT_REACH> <38 CAPACITY <60 <T.WT_CAP> <77 | "
" | SYS WEIGHT <20 <T.WT_WEIGHT> <38 LO VELOCITY <60 <T.WT_VEL> <77 | "
" | TIP MOMENT <20 <T.WT_MOM> <38 SYS VOLUME <60 <T.WT_VOL> <77 | "
" | SYS COST <20 <T.WT_COST> <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <4 <T.SPEC_COM1> <77 | "
" | <4 <T.SPEC_COM2> <77 | "
" | <4 <T.SPEC_COM3> <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE WT REACH WT CAP WT WEIGHT WT VEL WT MOM WT VOL WT_COST
ON MATCH UPDATE SPEC_COM1 SPEC_COM2 SPEC_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-AMV2
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
" |-----"
" | CHG AMV REFERENCES (AMVREF SEGMENT) | "
" |-----"
" | <77 | "

```



```

" TYPE <16 < WT_TYP <77 "
" SUBTYPE <16 < WT_STYP <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2
-*
CASE AMV2
-*
CRTFORM LINE 1
"-----"
" CHG AMV REFERENCES (AMVREF SEGMENT) |"
"-----"
" <77 |"
" SHIP ID <16 < SHIP_ID <77 |"
" <77 |"
" <33 ( PRESS RETURN ) <77 |"
"-----"
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" <77 |"
" SHIP NAME <16 <T.SHIP_NAME> <77 |"
" SHIP FLAG <16 <T.SHIP_FLAG> <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"
ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2
-*
ENDCASE
-*
DATA
END
-*
-RUN
-GOTO TWO
-*
-LIT2
-*
MODIFY FILE WGTHANDL
CRTFORM LINE 1
"-----"

```

```

"                                     CHG LITERATURE REFERENCE (LITREF SEGMENT)                                     "
"-----"
"  <77 | "
"  TYPE      <16 < WT_TYP  <77 | "
"  SUBTYPE   <16 < WT_STYP <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"-----"
"  [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT  "
"-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2
- *
CASE LITA2
- *
CRTFORM LINE 1
"-----"
"                                     CHG LITERATURE REFERENCE (LITREF SEGMENT)                                     "
"-----"
"  <77 | "
"  REF NUMBER <17 < REF_NUM <77 | "
"  <77 | "
"  <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
"  <77 | "
"                                     REFERENCE DESCRIPTION                                     "
"  <77 | "
"  <8 <T.REF_DESC> <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"-----"
"  [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT  "
"-----"
ON MATCH UPDATE REF_DESC
GOTO LITA2
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO TWO
*****
-THREE
*****
-CRTFORM LINE 1

```

```

- " |-----"
- " |      DELETE SYSTEMS OPTIONS FOR WGTHANDL FILE - OEB240      |"
- " |-----"
- " |
- " |      OPTIONS LIST
- " |
- " |      [1] DEL MAIN SEGMENT
- " |      [2] DEL DESIGN SEGMENT
- " |      [3] DEL AMV REFERENCES
- " |      [4] DEL LITERATURE REFS
- " |      [5] FM DIRECTORY
- " |
- " |      OPTION --> <OPTION
- " |
- " |      <77 |"
- " |      <77 |"
- " |-----"
- " |      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      |"
- " |-----"
- *
- IF &OPTION EQ 1 GOTO MAIN3;
- IF &OPTION EQ 2 GOTO HULL3;
- IF &OPTION EQ 3 GOTO AMV3;
- IF &OPTION EQ 4 GOTO LIT3;
- IF &OPTION EQ 5 GOTO TOP;
- GOTO THREE
- *
- MAIN3
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
- " |-----"
- " |      DELETE MAIN SYSTEM (MAIN SEGMENT)      |"
- " |-----"
- " |      <77 |"
- " |      TYPE      <10 < WT_TYP      <77 |"
- " |      SUBTYPE   <10 < WT_STYP     <77 |"
- " |      <77 |"
- " |      <33 ( PRESS RETURN ) <77 |"
- " |-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH CRTFORM
- " |      <77 |"
- " |
- " |      COMMENTS <77 |"
- " |      <4 <D.WT_COM1 <77 |"
- " |      <4 <D.WT_COM2 <77 |"
- " |      <4 <D.WT_COM3 <77 |"
- " |      <77 |"
- " |      <77 |"
- " |      <77 |"
- " |-----"
- " |      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      |"
- " |-----"
ON MATCH DELETE
DATA
END
- *
- RUN
- GOTO THREE
- *
- HULL3

```

```

- *
-CRTFORM LINE 1
- "-----"
- "      SYS DESIGN DEL OPTIONS FOR WGT HANDL FILE - OEB240
- "-----"
- "
- "      OPTIONS LIST
- "
- "      [1] DEL SYS DESIGN
- "      [2] DEL SYS DESCRIPTION
- "      [3] DEL SYS SPECIFICATIONS
- "      [4] FM DIRECTORY
- "
- "      OPTION --> <OPTION
- "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "-----"
- "      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- "-----"
- *
-IF &OPTION EQ 1 GOTO HULL3A;
-IF &OPTION EQ 2 GOTO HULL3B;
-IF &OPTION EQ 3 GOTO HULL3C;
-IF &OPTION EQ 4 GOTO THREE;
-GOTO HULL3
- *
-HULL3A
- *
MODIFY FILE WGT HANDL
CRTFORM LINE 1
- "-----"
- "      DEL SYS DESIGN (WTSYS SEGMENT)
- "-----"
- "      <77 | "
- "      TYPE          <16 < WT_TYP   <77 | "
- "      SUBTYPE       <16 < WT_STYP  <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "-----"
- "      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- "-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3A
- *
CASE HULLA3A
- *
CRTFORM LINE 1
- "-----"
- "      DEL DESIGN (WTSYS SEGMENT)
- "-----"

```

```

" | <77 | "
" | MFR/DESIGNER      <16 < MFR_ID      <77 | "
" | MFR NUMBER        <16 < MFR_NO      <32 (PRESS RETURN) <77 | "
" | <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" | COMMENTS <77 | "
" | <4 <D.MFR_COM1 <77 | "
" | <4 <D.MFR_COM2 <77 | "
" | <4 <D.MFR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH DELETE
GOTO HULLA3A
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3B
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
" |-----"
" | DEL SYS DESCRIPTION (WTDESC SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE          <16 < WT_TYP  <77 | "
" | SUBTYPE       <16 < WT_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B
- *
CASE HULLA3B
- *
CRTFORM LINE 1
" |-----"

```

```

" |                                     DEL DESCRIPTION (WTDESC SEGMENT)                                     "
" |-----"
" | MFR/DESIGNER      <16 < MFR_ID      <77 |"
" | MFR NUMBER       <16 < MFR_NO      <77 |"
" | <30( PRESS RETURN ) <77 |"
" |-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_PRI_FN
ON NOMATCH REJECT
ON MATCH CRTFORM
" | PRI FUNCTION <12 <D.WT_PRI_FN>      <38 POWER TYPE <50 <D.WT_PWR_TYP> <77 |"
" | DYN POS (Y/N) <12 <D.WT_DYN_POS>    <77 |"
" | <77 |"
" | <77 |"
" |                                     COMMENTS <77 |"
" | <4 <D.DESC_COM1> <77 |"
" | <4 <D.DESC_COM2> <77 |"
" | <4 <D.DESC_COM3> <77 |"
" | <77 |"
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
" |-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3C
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
" |-----"
" |                                     DEL SYS SPECIFICATIONS (WTSPEC SEGMENT)                                     "
" |-----"
" | <77 |"
" | TYPE              <16 < WT_TYP      <77 |"
" | SUBTYPE           <16 < WT_STYP     <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
" |-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C
- *
CASE HULLA3C

```

```

- *
CRTFORM LINE 1
"-----"
" | CHG SPECIFICATIONS (WTSPEC SEGMENT) |"
"-----"
" | MFR/DESIGNER <16 < MFR_ID <77 |"
" | MFR_NUMBER <16 < MFR_NO <30 ( PRESS RETURN ) <77 |"
"-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO WT_REACH
ON NOMATCH REJECT
ON MATCH CRTFORM
" | REACH <20 <D.WT_REACH> <38 CAPACITY <60 <D.WT_CAP> <77 |"
" | SYS WEIGHT <20 <D.WT_WEIGHT> <38 LO VELOCITY <60 <D.WT_VEL> <77 |"
" | TIP MOMENT <20 <D.WT_MOM> <38 SYS VOLUME <60 <D.WT_VOL> <77 |"
" | SYS COST <20 <D.WT_COST> <77 |"
" | <77 |"
" | COMMENTS <77 |"
" | <4 <D.SPEC_COM1> <77 |"
" | <4 <D.SPEC_COM2> <77 |"
" | <4 <D.SPEC_COM3> <77 |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-AMV3
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
"-----"
" | DEL AMV REFERENCES (AMVREF SEGMENT) |"
"-----"
" | <77 |"
" | TYPE <16 < WT_TYP <77 |"
" | SUBTYPE <16 < WT_STYP <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"
MATCH WT_TYP WT_STYP
ON NOMATCH REJECT

```

```

ON MATCH GOTO AMVA3
- *
CASE AMVA3
- *
CRTFORM LINE 1
"-----"
" |                                DEL AMV REFERENCES (AMVREF SEGMENT)                                | "
"-----"
" | <77 | "
" | SHIP_ID <16 < SHIP_ID <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | SHIP_NAME <16 < D.SHIP_NAME <77 | "
" | SHIP_FLAG <16 < D.SHIP_FLAG <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                | "
"-----"
ON MATCH DELETE
GOTO AMVA3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO THREE
- *
-LIT3
- *
MODIFY FILE WGTHANDL
CRTFORM LINE 1
"-----"
" |                                DEL LITERATURE REFERENCE (LITREF SEGMENT)                                | "
"-----"
" | <77 | "
" | TYPE <16 < WT_TYP <77 | "
" | SUBTYPE <16 < WT_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                | "

```



```

"-----"
MATCH WT TYP WT STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA3
- *
CASE LITA3
- *
CRTFORM LINE 1
"-----"
" | DEL LITERATURE REFERENCE (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | REF NUMBER <17 < REF_NUM <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | REFERENCE DESCRIPTION <77 | "
" | <77 | "
" | <8 <D.REF_DESC <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH DELETE
GOTO LITA3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO THREE
- *
-RUN
-GOTO TOP
- *
-FOUR
- *
EX OEB200
END
- *
-RUN
-GOTO TOP

```

```

- *-----*
- *      FILE MAINTENANCE ROUTINE FOR VESSAUTO FILE - OEB250      *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH    *
- *DESIGNED BY    : M. J. STEVENS (VTC)                          *
- *DATE LAST REV  : 4/16/87                                       *
- *-----*
- *
- *TOP
- *DEFAULTS &OPTION=0
- *CRTFORM LINE 1
- *
- *-----*
- *      FILE MAINTENANCE ROUTINES FOR VESSAUTO FILE - OEB250      *
- *-----*
- *
- *      MAINTENANCE OPTIONS LIST
- *
- *      [1] ADD AUTOMATION SYS
- *      [2] CHG AUTOMATION SYS
- *      [3] DEL AUTOMATION SYS
- *      [4] EXIT VESSAUTO FILE
- *
- *      OPTION --> <&OPTION
- *
- *      <77 | "
- *      <77 | "
- *      <77 | "
- *
- *-----*
- *      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      *
- *-----*
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *IF &OPTION EQ 4 GOTO FOUR;
- *GOTO TOP
- *
- *ONE
- *
- *CRTFORM LINE 1
- *
- *-----*
- *      ADD SYSTEM OPTIONS FOR VESSAUTO FILE - OEB250      *
- *-----*
- *
- *      OPTIONS LIST
- *
- *      [1] ADD MAIN SEGMENT
- *      [2] ADD DESIGN SEGMENT
- *      [3] ADD AMV REFERENCE
- *      [4] ADD LITERATURE REF
- *      [5] FM DIRECTORY
- *
- *      OPTION --> <&OPTION
- *
- *      <77 | "
- *      <77 | "
- *      <77 | "
- *
- *-----*
- *      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      *
- *-----*
- *

```

```

-IF &OPTION EQ 1 GOTO MAIN1;
-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

```

```

- *
-MAIN1
- *

```

```

MODIFY FILE VESSAUTO
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD NEW SYSTEM (MAIN SEGMENT)                                     | "
"-----"
" | TYPE      <10 < VS_TYP      <77 | "
" | SUBTYPE   <10 < VS_STYP     <77 | "
"-----"
" | <77 | "
" |                                     COMMENTS: <77 | "
" | <77 | "
" | < VS_COM1 <77 | "
" | < VS_COM2 <77 | "
" | < VS_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH VS_TYP VS_STYP
ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END

```

```

- *
-RUN
-GOTO ONE
- *
-HULL1
- *

```

```

-CRTFORM LINE 1

```

```

"-----"
" |                                     SYS DESIGN ADD OPTIONS FOR VESSAUTO FILE - OEB250                                     | "
"-----"
" |                                     OPTIONS LIST                                     | "
" | [1] ADD SYS DESIGN | "
" | [2] ADD SYS DESCRIPTION | "
" | [3] ADD SYS SPECIFICATIONS | "
" | [4] FM DIRECTORY | "
" |                                     OPTION --> <&OPTION                                     | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

-IF &OPTION EQ 1 GOTO HULL1A;
-IF &OPTION EQ 2 GOTO HULL1B;
-IF &OPTION EQ 3 GOTO HULL1C;
-IF &OPTION EQ 4 GOTO ONE;
-GOTO HULL1

```

```

- *
-HULL1A
- *

```

```

MODIFY FILE VESSAUTO
CRTFORM LINE 1

```

```

"-----"
" ADD SYS DESIGNS (VASYS SEGMENT) "
"-----"
" <77 | "
" TYPE <16 < VS_TYP <77 | "
" SUBTYPE <16 < VS_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "

```

```

MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1A

```

```

- *
CASE HULL1A
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" ADD DESIGNS (MAIN SEGMENT) "
"-----"
" MFR/DESIGNER <16 < MFR_ID <77 | "
" MFR_NUMBER <16 < MFR_NO <77 | "
"-----"
" <77 | "
" COMMENTS <77 | "
" <77 | "
" <4 <MFR_COM1 <77 | "
" <4 <MFR_COM2 <77 | "
" <4 <MFR_COM3 <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "

```

```

MATCH MFR_ID MFR_NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULL1A

```

```

- *
ENDCASE

```

```

- *
DATA
END
- *
- RUN
- GOTO HULL1
- *
- HULL1B
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1
"-----"
" ADD SYS DESCRIPTION (VADESC SEGMENT) "
"-----"
" <77 | "
" TYPE <16 < VS_TYP <77 | "
" SUBTYPE <16 < VS_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1B
- *
CASE HULL1B
- *
CRTFORM LINE 1
"-----"
" ADD DESCRIPTION (VADESC SEGMENT) "
"-----"
" MFR/DESIGNER <16 < MFR_ID <77 | "
" MFR_NUMBER <16 < MFR_NO <77 | "
"-----"
" FUNCTION <12 < VA_FN <38 INPUT 1 <50 <VA_IN1 <77 | "
" INPUT 2 <12 < VA_IN2 <38 INPUT 3 <50 <VA_IN3 <77 | "
" OUTPUT 1 <12 < VA_OUT1 <38 OUTPUT2 <50 <VA_OUT2 <77 | "
" OUTPUT 3 <12 < VA_OUT3 <77 | "
" <77 | "
" COMMENTS <77 | "
" <77 | "
" <4 < VA_COM1 <77 | "
" <4 < VA_COM2 <77 | "
" <4 < VA_COM3 <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
"-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_FN
ON MATCH REJECT
ON NOMATCH INCLUDE

```

-*
ENDCASE

-*
DATA
END

-*
-RUN
-GOTO HULL1

-*
-HULL1C

-*
MODIFY FILE VESSAUTO
CRTFORM LINE 1

"-----"
" | ADD SYS SPECIFICATIONS (VASPEC SEGMENT) | "

" | <77 | "
" | TYPE <16 < VA_TYP <77 | "
" | SUBTYPE <16 < VA_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "

MATCH VA_TYP VA_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULL1C

-*
CASE HULL1C

-*
CRTFORM LINE 1

"-----"
" | ADD SYS SPECIFICATIONS (VASPEC SEGMENT) | "

" | MFR/DES <20 <MFR_ID <77 | "
" | MFR NO <20 <MFR_NO <77 | "

" | COST <20 <VA_COST <38 EFF RATING <60 <VA_EFF_RAT <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

COMMENTS <77 | "

" | <4 <SPEC_COM1 <77 | "
" | <4 <SPEC_COM2 <77 | "
" | <4 <SPEC_COM3 <77 | "
" | <77 | "
" | <77 | "

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "

MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_COST

```

ON MATCH REJECT
ON NOMATCH INCLUDE

```

```

- *
ENDCASE
- *

```

```

DATA
END
- *

```

```

-RUN
-GOTO HULL1
- *

```

```

-AMV1
- *

```

```

MODIFY FILE VESSAUTO
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD AMV REFERENCES (AMVREF SEGMENT)                                     | "
"-----"
" | <77 | "
" | SYS TYPE          <16 < VS_TYP    <77 | "
" | SYS SUBTYPE       <16 < VS_STYP   <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```

```

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV1

```

```

- *
CASE AMV1
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" |                                     ADD AMV REFERENCES (AMVREF SEGMENT)                                     | "
"-----"
" | <77 | "
" | SHIP ID    <16 < SHIP_ID    <77 | "
" | <77 | "
" | SHIP NAME <16 < SHIP_NAME <77 | "
" | SHIP FLAG <16 < SHIP_FLAG <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```

```

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH SHIP_ID

```

```

ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVAL

```

```

- *
ENDCASE
- *

```

```

DATA
END
- *

```

```

-RUN
-GOTO ONE
- *
- *

```

```

-LIT1
- *

```

```

MODIFY FILE VESSAUTO
CRTFORM LINE 1

```

```

"-----"
" | ADD LITERATURE REFERENCES (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | SYS TYPE <16 < VS_TYP <77 | "
" | SYS SUBTYPE <16 < VS_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO LIT1

```

```

- *
CASE LIT1
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" | ADD LITERATURE REFERENCES (LITREF SEGMENT) | "
"-----"
" | <77 | "
" | REFERENCE NO <17 < REF_NUM <77 | "
" | <77 | "
" | DESCRIPTION <17 < REF_DESC <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```



```

" <T.VS_COM1> <77 | "
" <T.VS_COM2> <77 | "
" <T.VS_COM3> <77 | "
" <77 | "
" <77 | "
" <77 | "
"
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
ON MATCH UPDATE VS_COM1 VS_COM2 VS_COM3
DATA
END
- *
-RUN
-GOTO TWO
- *
-HULL2
- *
-CRTFORM LINE 1
"-----"
" SYS DESIGN CHG OPTIONS FOR VESSAUTO FILE - OEB250
"-----"
"
" OPTIONS LIST
"
" [1] CHG SYS DESIGN
" [2] CHG SYS DESCRIPTION
" [3] CHG SYS SPECIFICATIONS
" [4] FM DIRECTORY
"
" OPTION --> <&OPTION
"
" <77 | "
" <77 | "
" <77 | "
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
- *
-IF &OPTION EQ 1 GOTO HULL2A;
-IF &OPTION EQ 2 GOTO HULL2B;
-IF &OPTION EQ 3 GOTO HULL2C;
-IF &OPTION EQ 4 GOTO TWO;
-GOTO HULL2
- *
-HULL2A
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1
"-----"
" CHG SYS DESIGN (VASYS SEGMENT)
"-----"
" <77 | "
" TYPE <16 < VS_TYP <77 | "
" SUBTYPE <16 < VS_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "

```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2A
- *
CASE HULLA2A
- *
CRTFORM LINE 1
" |-----"
" | CHG DESIGN (VASYS SEGMENT) | "
" |-----"
" | <77 | "
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR NUMBER <16 < MFR_NO <77 | "
" | <77 | "
" | <30 ( PRESS RETURN ) <77 | "
MATCH MFR_ID MFR_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | COMMENTS <77 | "
" | <77 | "
" | <4 <T.MFR_COM1> <77 | "
" | <4 <T.MFR_COM2> <77 | "
" | <4 <T.MFR_COM3> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE MFR_COM1 MFR_COM2 MFR_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-HULL2B
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1
" |-----"
" | CHG SYS DESCRIPTION (VADESC SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE <16 < VS_TYP <77 | "
" | SUBTYPE <16 < VS_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
```

```
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
```

```
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2B
```

```
-*
CASE HULLA2B
```

```
-*
CRTFORM LINE 1
```

```
"-----"
" CHG DESCRIPTION (VADESC SEGMENT) "
```

```
" MFR/DESIGNER <16 < MFR_ID <77 |"
" MFR NUMBER <16 < MFR_NO <77 |"
" <30 ( PRESS RETURN ) <77 |"
```

```
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_FN
ON NOMATCH REJECT
ON MATCH CRTFORM
```

```
" FUNCTION <12 <T.VA_FN> <38 INPUT 1 <50 <T.VA_IN1> <77 |"
" INPUT 2 <12 <T.VA_IN2> <38 INPUT 3 <50 <T.VA_IN3> <77 |"
" OUTPUT 1 <12 <T.VA_OUT1> <38 OUTPUT2 <50 <T.VA_OUT2> <77 |"
" OUTPUT 3 <12 <T.VA_OUT3> <77 |"
" <77 |"
```

```
COMMENTS <77 |"
```

```
" <77 |"
" <4 <T.VA_COM1> <77 |"
" <4 <T.VA_COM2> <77 |"
" <4 <T.VA_COM3> <77 |"
" <77 |"
```

```
"-----"
" [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
```

```
ON MATCH UPDATE VA_FN VA_IN1 VA_IN2 VA_IN3 VA_OUT1 VA_OUT2 VA_OUT3
ON MATCH UPDATE VA_COM1 VA_COM2 VA_COM3
```

```
-*
ENDCASE
```

```
-*
DATA
END
```

```
-*
-RUN
-GOTO HULL2
```

```
-*
-HULL2C
```

```
-*
MODIFY FILE VESSAUTO
CRTFORM LINE 1
```

```
"-----"
" CHG SPECIFICATIONS (VASPEC SEGMENT) "
```

```
" <77 |"
" TYPE <16 < VS_TYP <77 |"
" SUBTYPE <16 < VS_STYP <77 |"
" <77 |"
```

```

" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA2C
- *
CASE HULLA2C
- *
CRTFORM LINE 1
" |-----"
" | CHG SPECIFICATIONS (VASPEC SEGMENT) | "
" |-----"
" | MFR/DESIGNER <16 < MFR_ID <77 | "
" | MFR_NUMBER <16 < MFR_NO <30 ( PRESS RETURN ) <77 | "
" |-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_COST
ON NOMATCH REJECT
ON MATCH CRTFORM
" | COST <20 <T.VA_COST> <38 EFF RATING <60 <T.VA_EFF_RAT> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | COMMENTS <77 | "
" | <4 <T.SPEC_COM1> <77 | "
" | <4 <T.SPEC_COM2> <77 | "
" | <4 <T.SPEC_COM3> <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE VA_COST VA_EFF_RAT
ON MATCH UPDATE SPEC_COM1 SPEC_COM2 SPEC_COM3
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL2
- *
-AMV2
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1
" |-----"
" | CHG AMV REFERENCES (AMVREF SEGMENT) | "
" |-----"

```

```

" | <77 | "
" | TYPE <16 < VS_TYP <77 | "
" | SUBTYPE <16 < VS_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO AMV2
- *
CASE AMV2
- *
CRTFORM LINE 1
" |-----"
" | CHG AMV REFERENCES (AMVREF SEGMENT) | "
" |-----"
" | <77 | "
" | SHIP ID <16 < SHIP_ID <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
" |-----"
MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | SHIP NAME <16 <T.SHIP_NAME> <77 | "
" | SHIP FLAG <16 <T.SHIP_FLAG> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH UPDATE SHIP_NAME SHIP_FLAG
GOTO AMV2
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO TWO
- *
-LIT2
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1

```

```

"-----"
"          CHG LITERATURE REFERENCE (LITREF SEGMENT)          "
"-----"
" <77 | "
" TYPE      <16 < VS_TYP <77 | "
" SUBTYPE   <16 < VS_STYP <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
"-----"
MATCH VS_TYP VS_STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA2
- *
CASE LITA2
- *
CRTFORM LINE 1
"-----"
"          CHG LITERATURE REFERENCE (LITREF SEGMENT)          "
"-----"
" <77 | "
" REF NUMBER <17 < REF_NUM <77 | "
" <77 | "
" <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
" <77 | "
"                                     REFERENCE DESCRIPTION                                     "
" <77 | "
" <8 <T.REF_DESC> <77 | "
" <77 | "
" <77 | "
" <77 | "
" <77 | "
"-----"
"          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          "
"-----"
ON MATCH UPDATE REF_DESC
GOTO LITA2
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO TWO
-*****
-THREE
-*****

```

```

--"-----
--"      DELETE SYSTEMS OPTIONS FOR VESSAUTO FILE - OEB250
--"-----
--"
--"
--"      OPTIONS LIST
--"
--"      [1] DEL MAIN SEGMENT
--"      [2] DEL DESIGN SEGMENT
--"      [3] DEL AMV REFERENCES
--"      [4] DEL LITERATURE REFS
--"      [5] FM DIRECTORY
--"
--"
--"      OPTION --> <&OPTION
--"
--"      <77 | "
--"      <77 | "

```

```
-IF &OPTION EQ 1 GOTO MAIN3;  
-IF &OPTION EQ 2 GOTO HULL3;  
-IF &OPTION EQ 3 GOTO AMV3;  
-IF &OPTION EQ 4 GOTO LIT3;  
-IF &OPTION EQ 5 GOTO TOP;  
-GOTO THREE
```

MODIFY FILE VESSAUTO
CRTFORM LINE 1

```
" | <77 | "
```

```
" | TYPE      <10 < VS_TYP    <77 | "
```

```
" | SUBTYPE   <10 < VS_STYP   <77 | "
```

```
" | <77 | "
```

```
" | <33 (  PRESS RETURN  ) <77 | "
```

" | <77 | "

```
"  <4 <D.VS_COM1 <77  "
"  <4 <D.VS_COM2 <77  "
"  <4 <D.VS_COM3 <77  "
"  <77  "
"  <77  "
"  <77  "
```

ON MATCH DELETE

-RUN
-GOTO THREE
-*


```

" |-----"
" | <77 | "
" | MFR/DESIGNER      <16 < MFR_ID      <77 | "
" | MFR NUMBER       <16 < MFR_NO      <32 (PRESS RETURN) <77 | "
" | <77 | "
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" |-----"
" | COMMENTS <77 | "
" | <4 <D.MFR_COM1 <77 | "
" | <4 <D.MFR_COM2 <77 | "
" | <4 <D.MFR_COM3 <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
ON MATCH DELETE
GOTO HULLA3A
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3B
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1
" |-----"
" | DEL SYS DESCRIPTION (VADESC SEGMENT) | "
" |-----"
" | <77 | "
" | TYPE          <16 < VS_TYP  <77 | "
" | SUBTYPE       <16 < VS_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
" |-----"
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3B
- *
CASE HULLA3B
- *
CRTFORM LINE 1

```

```

"-----"
"      DEL DESCRIPTION (VADESC SEGMENT)
"-----"
" MFR/DESIGNER      <16 < MFR_ID      <77 |"
" MFR NUMBER        <16 < MFR_NO      <77 |"
" <30 ( PRESS RETURN ) <77 |"
"-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_FN
ON NOMATCH REJECT
ON MATCH CRTFORM
" FUNCTION          <12 <D.VA_FN>      <38 INPUT 1      <50 <D.VA_IN1>      <77 |"
" INPUT 2           <12 <D.VA_IN2>      <38 INPUT 3      <50 <D.VA_IN3>      <77 |"
" OUTPUT 1          <12 <D.VA_OUT1>      <38 OUTPUT2      <50 <D.VA_OUT2>      <77 |"
" OUTPUT 3          <12 <D.VA_OUT3>      <77 |"
" <77 |"
"                                COMMENTS <77 |"
" <77 |"
" <4 <D.VA_COM1> <77 |"
" <4 <D.VA_COM2> <77 |"
" <4 <D.VA_COM3> <77 |"
" <77 |"
"-----"
"      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-HULL3C
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1
"-----"
"      DEL SYS SPECIFICATIONS (VASPEC SEGMENT)
"-----"
" <77 |"
" TYPE              <16 < VS_TYP      <77 |"
" SUBTYPE           <16 < VS_STYP      <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
" <77 |"
"-----"
"      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO HULLA3C

```

```

- *
CASE HULLA3C
- *
CRTFORM LINE 1
"-----"
" |                                CHG SPECIFICATIONS (VASPEC SEGMENT)                                | "
"-----"
" | MFR/DESIGNER      <16 < MFR_ID      <77 | "
" | MFR_NUMBER        <16 < MFR_NO      <30 ( PRESS RETURN ) <77 | "
"-----"
MATCH MFR ID MFR NO
ON NOMATCH REJECT
ON MATCH CONTINUE TO VA_COST
  ON NOMATCH REJECT
  ON MATCH CRTFORM
" | COST              <20 <D.VA_COST>      <38 EFF RATING <60 <D.VA_EFF_RAT>      <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" |                                COMMENTS <77 | "
" | <4 <D.SPEC_COM1> <77 | "
" | <4 <D.SPEC_COM2> <77 | "
" | <4 <D.SPEC_COM3> <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                | "
"-----"
  ON MATCH DELETE
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO HULL3
- *
-AMV3
- *
MODIFY FILE VESSAUTO
CRTFORM LINE 1
"-----"
" |                                DEL AMV REFERENCES (AMVREF SEGMENT)                                | "
"-----"
" | <77 | "
" | TYPE              <16 < VS_TYP <77 | "
" | SUBTYPE           <16 < VS_STYP <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                | "
"-----"

```

CASE AMVA3

" | DEL AMV REFERENCES (AMVREF SEGMENT)

MATCH SHIP ID
ON NOMATCH REJECT
ON MATCH CRTFORM

" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

ENDCASE

-RUN
-GOTO THREE

MODIFY FILE VESSAUTO
CRTFORM LINE 1

[illegible]

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"
MATCH VS TYP VS STYP
ON NOMATCH REJECT
ON MATCH GOTO LITA3
-*
CASE LITA3
-*
CRTFORM LINE 1
"-----"
" | DEL LITERATURE REFERENCE (LITREF SEGMENT) |"
"-----"
" | <77 |"
" | REF NUMBER <17 < REF_NUM <77 |"
" | <77 |"
" | <33 ( PRESS RETURN ) <77 |"
"-----"
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 |"
" | REFERENCE DESCRIPTION <77 |"
" | <77 |"
" | <8 <D.REF_DESC <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
" | <77 |"
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
"-----"
ON MATCH DELETE
GOTO LITA3
-*
ENDCASE
-*
DATA
END
-*
-RUN
-GOTO THREE
-*
-RUN
-GOTO TOP
-*
-FOUR
-*
EX OEB200
END
-*
-RUN
-GOTO TOP

```

```

- *-----*
- *          FILE MAINTENANCE ROUTINE FOR MFRREF FILE - OEB260          *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH          *
- *DESIGNED BY    : M. J. STEVENS (VTC)                                *
- *DATE LAST REV  : 4/20/87                                           *
- *-----*
- *
- *TOP
- *DEFAULTS &OPTION=0
- *CRTFORM LINE 1
- *-----*
- *          FILE MAINTENANCE ROUTINES FOR MFRREF FILE - OEB260          *
- *-----*
- *
- *          MAINTENANCE OPTIONS LIST
- *
- *          [1] ADD MANUFACTURER
- *          [2] CHANGE MFR DATA
- *          [3] DELETE MANUFACTURER
- *          [4] EXIT MFRREF FILE
- *
- *          OPTION --> <&OPTION
- *
- *          <77 | "
- *          <77 | "
- *          <77 | "
- *          <77 | "
- *-----*
- *          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          *
- *-----*
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *IF &OPTION EQ 4 GOTO FOUR;
- *GOTO TOP
- *
- *ONE
- *
- *MODIFY FILE MFRREF
- *CRTFORM LINE 1
- *-----*
- *          ADD NEW MANUFACTURER OR DESIGNER
- *-----*
- *
- *          <77 | "
- *          <10 MANUFACTURER'S ID <35 < MFR_ID          <77 | "
- *          <77 | "
- *          <10 NAME OF FIRM          <35 < MFR_NAME      <77 | "
- *          <10 ADDRESS LINE 1        <35 < MFR_ADD1      <77 | "
- *          <10 ADDRESS LINE 2        <35 < MFR_ADD2      <77 | "
- *          <10 ADDRESS LINE 3        <35 < MFR_ADD3      <77 | "
- *          <77 | "
- *          <10 PHONE NUMBER          <35 < MFR_PHONE     <77 | "
- *          <77 | "
- *          <10 REPRESENTATIVE        <35 < MFR_REP       <77 | "
- *          <77 | "
- *          <77 | "
- *          <77 | "
- *-----*
- *          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          *
- *-----*
- *MATCH MFR_ID

```

```

ON MATCH REJECT
ON NOMATCH INCLUDE
DATA
END

```

```

- *
-RUN
-GOTO TOP
- *
-TWO
- *

```

```

MODIFY FILE MFRREF
CRTFORM LINE 1

```

```

"-----"
" |                                     | "
" | CHANGE DATA ON MANUFACTURER OR DESIGNER | "
"-----"
" | <22 ENTER MANUFACTURER'S ID <47 < MFR_ID <77 | "
" | <77 | "
" | <30 ( PRESS RETURN ) <77 | "
"-----"

```

```

MATCH MFR ID
ON NOMATCH REJECT
ON MATCH CRTFORM

```

```

" | <77 | "
" | <10 NAME OF FIRM <35 <T.MFR_NAME> <77 | "
" | <10 ADDRESS LINE 1 <35 <T.MFR_ADD1> <77 | "
" | <10 ADDRESS LINE 2 <35 <T.MFR_ADD2> <77 | "
" | <10 ADDRESS LINE 3 <35 <T.MFR_ADD3> <77 | "
" | <77 | "
" | <10 PHONE NUMBER <35 <T.MFR_PHONE> <77 | "
" | <77 | "
" | <10 REPRESENTATIVE <35 <T.MFR_REP> <77 | "
" | <77 | "

```

```

"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

ON MATCH UPDATE MFR_NAME MFR_ADD1 MFR_ADD2 MFR_ADD3 MFR_PHONE MFR_REP
DATA
END

```

```

- *
-RUN
-GOTO TOP
- *
-THREE
- *

```

```

MODIFY FILE MFRREF
CRTFORM LINE 1

```

```

"-----"
" |                                     | "
" | DELETE MANUFACTURER OR DESIGNER | "
"-----"
" | <22 ENTER MANUFACTURER'S ID <47 < MFR_ID <77 | "
" | <77 | "
" | <30 ( PRESS RETURN ) <77 | "
"-----"

```

```

MATCH MFR ID
ON NOMATCH REJECT
ON MATCH CRTFORM

```

```

" | <77 | "
" | <10 NAME OF FIRM <35 <D.MFR_NAME> <77 | "
" | <10 ADDRESS LINE 1 <35 <D.MFR_ADD1> <77 | "
" | <10 ADDRESS LINE 2 <35 <D.MFR_ADD2> <77 | "
" | <10 ADDRESS LINE 3 <35 <D.MFR_ADD3> <77 | "
" | <77 | "
" | <10 PHONE NUMBER <35 <D.MFR_PHONE> <77 | "

```



```
" | <77 | "  
" | <10 REPRESENTATIVE <35 <D.MFR_REP> <77 | "  
" | <77 | "
```

```
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
```

```
"-----"  
ON MATCH DELETE
```

```
DATA
```

```
END
```

```
-*
```

```
-RUN
```

```
-GOTO TOP
```

```
-*
```

```
-FOUR
```

```
-*
```

```
EX OEB200
```

```
END
```

```
-*
```

```
-RUN
```

```
-GOTO TOP
```

```

- *-----*
- *      FILE MAINTENANCE ROUTINE FOR VESSAUTO FILE - OEB270      *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH    *
- *DESIGNED BY    : M. J. STEVENS (VTC)                          *
- *DATE LAST REV  : 4/20/87                                       *
- *-----*
- *
- TOP
- DEFAULTS &OPTION=0
- CRTFORM LINE 1
- "
- "-----"
- "      FILE MAINTENANCE ROUTINES FOR OEBREF FILE - OEB270      "
- "-----"
- "
- "      MAINTENANCE OPTIONS LIST
- "
- "      [1] ADD OEB REFERENCE
- "      [2] CHG OEB REFERENCE
- "      [3] DEL OEB REFERENCE
- "      [4] EXIT OEBREF FILE
- "
- "      OPTION --> <&OPTION
- "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "-----"
- "      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      "
- "-----"
- *
- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- IF &OPTION EQ 4 GOTO FOUR;
- GOTO TOP
- *
- ONE
- *
- CRTFORM LINE 1
- "
- "-----"
- "      ADD OPTIONS FOR OEBREF FILE - OEB270                      "
- "-----"
- "
- "      OPTIONS LIST
- "
- "      [1] ADD MAIN SEGMENT
- "      [2] ADD AUTHOR SEGMENT
- "      [3] ADD REF KEYWORDS
- "      [4] ADD ABSTRACT LINES
- "      [5] FM DIRECTORY
- "
- "      OPTION --> <&OPTION
- "
- "      <77 | "
- "      <77 | "
- "      <77 | "
- "-----"
- "      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT      "
- "-----"
- *
- IF &OPTION EQ 1 GOTO MAIN1;

```

```

-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO AMV1;
-IF &OPTION EQ 4 GOTO LIT1;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO ONE

```

```

- *
-MAIN1
- *

```

```

MODIFY FILE OEBREF
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD NEW REFERENCE (MAIN SEGMENT)                                     | "
"-----"
" | REF NUM      <14 < REF_NUM      <77 | "
"-----"
" | <77 | "
" | REP TITLE    <14 < REF_TITLE    <77 | "
" | SOURCE       <14 < REF_SOURCE   <77 | "
" | REPORT NO    <14 < REF_REP_NO   <77 | "
" | JOURNAL VOL  <14 < REF_JN_VOL   <77 | "
" | PUB DATE     <14 < REF_PUB_DT   <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                     [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                     | "
"-----"

```

```

MATCH REF_NUM
ON MATCH REJECT
ON NOMATCH INCLUDE

```

```

DATA
END

```

```

- *
-RUN
-GOTO ONE
- *
-HULL1
- *

```

```

MODIFY FILE OEBREF
CRTFORM LINE 1

```

```

"-----"
" |                                     ADD REF AUTHORS (AUTHOR SEGMENT)                                     | "
"-----"
" | <77 | "
" | REF NUMBER    <16 < REF_NUM    <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                                     [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                                     | "
"-----"

```

```

MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH GOTO HULLA1A

```

```

- *
CASE HULLA1A
- *

```

```

CRTFORM LINE 1

```

```

"-----"
" |                                     | "
" |                                     | "
" |                                     | "
" | <77 | "
" | LAST NAME          <20 < AUTH_LN  <77 | "
" | <77 | "
" | FIRST NAME         <20 < AUTH_FN  <77 | "
" | MIDDLE INITIAL     <20 < AUTH_MI  <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

MATCH AUTH_LN AUTH_FN AUTH_MI
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO HULLA1A

```

```

- *
ENDCASE
- *

```

```

DATA
END

```

```

- *
-RUN
-GOTO ONE
- *

```

```

-AMV1
- *

```

```

MODIFY FILE OEBREF
CRTFORM LINE 1

```

```

"-----"
" |                                     | "
" |                                     | "
" |                                     | "
" | <77 | "
" | REF NUMBER         <16 < REF_NUM  <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"

```

```

"-----"
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH GOTO AMVA1
- *
CASE AMVA1
- *
CRTFORM LINE 1
"-----"
" | ADD REF KEYWORDS (AMVREF SEGMENT) | "
"-----"
" | <77 | "
" | KEY WORD NO <20 < KEY_WD_NO <77 | "
" | <77 | "
" | KEYWORD <20 < KEY_WORD <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH KEY WD NO
ON MATCH REJECT
ON NOMATCH INCLUDE
GOTO AMVA1
- *
ENDCASE
- *
DATA
END
- *
-RUN
-GOTO ONE
- *
-LIT1
- *
MODIFY FILE OEBREF
CRTFORM LINE 1
"-----"
" | ADD ABSTRACT LINES (ABSTRACT SEGMENT) | "
"-----"
" | <77 | "
" | REF NUMBER <16 < REF_NUM <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"

```



```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- "-----"
- *
- IF &OPTION EQ 1 GOTO MAIN2;
- IF &OPTION EQ 2 GOTO AMV2;
- IF &OPTION EQ 3 GOTO LIT2;
- IF &OPTION EQ 4 GOTO TOP;
- GOTO TWO
- *
- MAIN2
- *
MODIFY FILE OEBREF
CRTFORM LINE 1
"-----"
" | CHANGE REFERENCE (MAIN SEGMENT) | "
"-----"
" | <77 | "
" | REF NUMBER <14 < REF_NUM <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
MATCH REF_NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | REP TITLE <14 <T.REF_TITLE> <77 | "
" | SOURCE <14 <T.REF_SOURCE> <77 | "
" | REPORT NO <14 <T.REF_REP_NO> <77 | "
" | JOURNAL VOL <14 <T.REF_JN_VOL> <77 | "
" | PUB DATE <14 <T.REF_PUB_DT> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE REF_TITLE REF_SOURCE REF_REP_NO REF_JN_VOL REF_PUB_DT
DATA
END
- *
- RUN
- GOTO TWO
- *
- AMV2
- *
MODIFY FILE OEBREF
CRTFORM LINE 1
"-----"
" | CHG REF KEYWORDS (KEYWORD SEGMENT) | "
"-----"
" | <77 | "
" | REF NUMBER <16 < REF_NUM <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```

```

" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH GOTO AMV2
-*
CASE AMV2
-*
CRTFORM LINE 1
"-----"
" | CHG REF KEYWORDS (KEYWORD SEGMENT) | "
"-----"
" | <77 | "
" | WORD NO <20 < KEY_WD_NO <77 | "
" | <77 | "
" | <33 ( PRESS RETURN ) <77 | "
"-----"
MATCH KEY_WD_NO
ON NOMATCH REJECT
ON MATCH CRTFORM
" | <77 | "
" | KEYWORD <20 <T.KEY_WORD> <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
"-----"
ON MATCH UPDATE KEY_WORD
GOTO AMV2
-*
ENDCASE
-*
DATA
END
-*
-RUN
-GOTO TWO
-*
-LIT2
-*
MODIFY FILE OEBREF
CRTFORM LINE 1
"-----"
" | CHG ABSTRACT LINES (ABSTRACT SEGMENT) | "
"-----"
" | <77 | "
" | REF NUMBER < REF_NUM <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "

```



```

- " | [4] DEL ABSTRACT LINES "
- " | [5] FM DIRECTORY "
- " | "
- " | OPTION --> <&OPTION "
- " | "
- " | <77 | "
- " | <77 | "
- " | "
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- " | "
- *
-IF &OPTION EQ 1 GOTO MAIN3;
-IF &OPTION EQ 2 GOTO HULL3;
-IF &OPTION EQ 3 GOTO AMV3;
-IF &OPTION EQ 4 GOTO LIT3;
-IF &OPTION EQ 5 GOTO TOP;
-GOTO THREE
- *
-MAIN3
- *
MODIFY FILE OEBREF
CRTFORM LINE 1
- " | "
- " | DELETE REFERENCE (MAIN SEGMENT) "
- " | "
- " | <77 | "
- " | REF NUMBER <16 < REF_NUM <77 | "
- " | <77 | "
- " | <33 ( PRESS RETURN ) <77 | "
- " | "
MATCH REF NUM
ON NOMATCH REJECT
ON MATCH CRTFORM
- " | <77 | "
- " | REP TITLE <14 <D.REF_TITLE> <77 | "
- " | SOURCE <14 <D.REF_SOURCE> <77 | "
- " | REPORT NO <14 <D.REF_REP_NO> <77 | "
- " | JOURNAL VOL <14 <D.REF_JN_VOL> <77 | "
- " | PUB DATE <14 <D.REF_PUB_DT> <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | "
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- " | "
ON MATCH DELETE
DATA
END
- *
-RUN
-GOTO THREE
- *
-HULL3
- *
MODIFY FILE OEBREF
CRTFORM LINE 1
- " | "
- " | DEL REF AUTHORS (AUTHOR SEGMENT) "
- " | "
- " | <77 | "
- " | REF NUMBER <16 < REF_NUM <77 | "
- " | <77 | "
- " | <77 | "

```


-FOUR
- *
EX OEB200
END
- *
-RUN
-GOTO TOP

```

- *-----
- *                               MTD SYSTEM REP DIRECTORY - OEB300
- *-----
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
- *DESIGNED BY    : M. J. STEVENS (VTC)
- *DATE LAST REV  : 4/28/87
- *-----
- *
- TOP
- DEFAULTS &OPTION=0
- CRTFORM LINE 1
- "
- "-----
- "                               MARINE TECHNOLOGY DATABASE REP DIRECTORY - OEB300
- "-----
- "
- "                               DIRECTORY OPTIONS
- "
- "                               [1] HULL CONFIGURATIONS
- "                               [2] PROPULSION SYSTEMS
- "                               [3] PROPULSOR SYSTEMS
- "                               [4] WEIGHT HANDLING
- "                               [5] VESSEL AUTOMATION
- "                               [6] MANUFACTURERS
- "                               [7] OEB REFERENCES
- "                               [8] MASTER DIRECTORY
- "
- "                               OPTION --> <&OPTION
- "
- "-----
- "                               [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- "-----
- *
- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- IF &OPTION EQ 4 GOTO FOUR;
- IF &OPTION EQ 5 GOTO FIVE;
- IF &OPTION EQ 6 GOTO SIX;
- IF &OPTION EQ 7 GOTO SEVEN;
- IF &OPTION EQ 8 GOTO EIGHT;
- GOTO TOP
- *
- ONE
- *
- EX OEB310
- END
- *
- RUN
- GOTO TOP
- *
- TWO
- *
- EX OEB320
- END
- *
- RUN
- GOTO TOP
- *
- THREE
- *
- EX OEB330
- END
- *

```

-RUN
-GOTO TOP
-*
-FOUR
-*
EX OEB340
END
-*
-RUN
-GOTO TOP
-*
-FIVE
-*
EX OEB350
END
-*
-RUN
-GOTO TOP
-*
-SIX
-*
EX OEB360
END
-*
-RUN
-GOTO TOP
-*
-SEVEN
-*
EX OEB370
END
-*
-RUN
-GOTO TOP
-*
-EIGHT
-*
EX OEB010
END
-*
-RUN
-GOTO TOP

AD-A193 928

SURVEY OF TECHNOLOGY WITH POSSIBLE APPLICATIONS TO
UNITED STATES COAST GU. (U) COAST GUARD RESEARCH AND
DEVELOPMENT CENTER GROTON CT S ALLEN ET AL. SEP 87

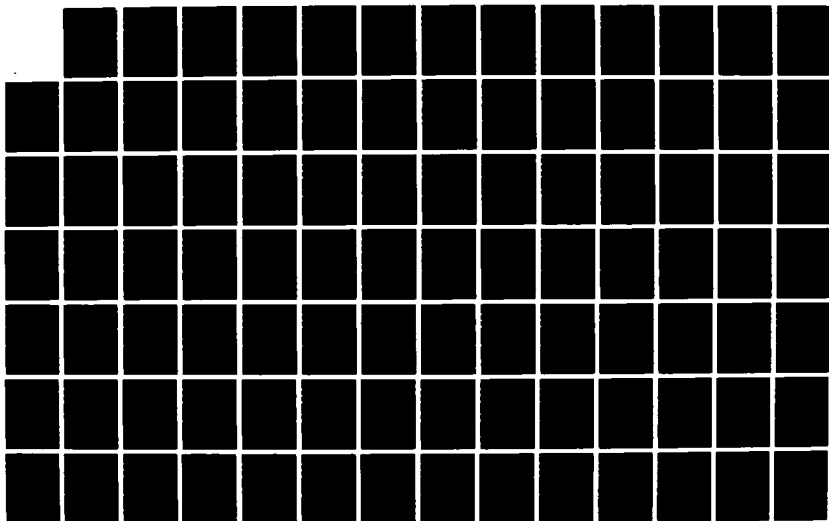
3/4

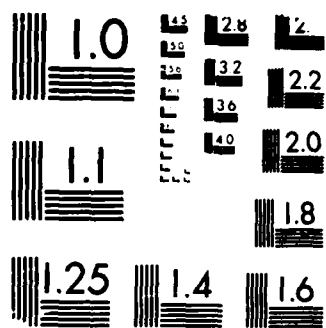
UNCLASSIFIED

CG-D-86-88-VOL-3

F/G 12/5

NL





MICROCOPY RESOLUTION TEST CHART
10x 41 STANDARDS 1963-A

```

- *-----*
- *                HULLCNFG FILE REPORTING SYSTEM - OEB310                *
- *-----*
- *DESIGNED FOR    : USCG R&D CENTER, OCEAN ENGINEERING BRANCH            *
- *DESIGNED BY     : M. J. STEVENS (VTC)                                  *
- *DATE LAST REV   : 4/30/87                                              *
- *-----*
- *
- *TOP
- *DEFAULTS &OPTION=0, &HULL_TYP=$$$$$$, &HULL_STYP=$$$$, &MFR_ID=$$$
- *DEFAULTS &MFR NO=$$$$$$$$$$$$
- *CRTFORM LINE I
- *
- *-----*
- *                HULLCNFG FILE REPORTING SYSTEM - OEB310                *
- *-----*
- *
- *                REPORTING SYSTEM OPTIONS                                *
- *
- *                [1] OUTPUT OPTIONS                                     *
- *                [2] REPORT OPTIONS                                    *
- *                [3] EXIT PROGRAM                                     *
- *
- *                OPTION --> <&OPTION                                     *
- *
- *                <77 |"
- *                <77 |"
- *                <77 |"
- *
- *-----*
- *                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT    *
- *-----*
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *GOTO TOP
- *
- *ONE
- *
- *CRTFORM LINE 1
- *
- *-----*
- *                REPORT OUTPUT OPTIONS MENU                              *
- *-----*
- *
- *                OPTIONS LIST                                           *
- *
- *                [1] DIRECT OUTPUT TO CRT                               *
- *                [2] DIRECT OUTPUT TO PRT                               *
- *                [3] REPORT DIRECTORY                                   *
- *
- *                OPTION --> <&OPTION                                     *
- *
- *                <77 |"
- *                <77 |"
- *
- *-----*
- *                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT    *
- *-----*
- *
- *IF &OPTION EQ 1 GOTO MAIN1;

```



```

- " [3] AMV REFERENCE REPORT
- " [4] LITERATURE REF REPORT
- " [5] REPORT DIRECTORY
- "
- " OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- " -----
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- " -----
- *
- IF &OPTION EQ 1 GOTO MAIN2;
- IF &OPTION EQ 2 GOTO HULL2;
- IF &OPTION EQ 3 GOTO AMV2;
- IF &OPTION EQ 4 GOTO LIT2;
- IF &OPTION EQ 5 GOTO TOP;
- GOTO TWO
- *
- MAIN2
- *
TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE TYPES/SUBTYPES AND GENERAL COMMENTS
" "
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' SKIP-LINE OVER
HULL_COM1 AS 'COMM' OVER HULL_COM2 AS ' ' OVER HULL_COM3 AS ' '
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
END
- *
- RUN
- GOTO TWO
- *
- HULL2
- *
- CRTFORM LINE 1
- " -----
- " HULL DESIGN REP OPTIONS FOR HULLCNFG FILE - OEB310
- " -----
- "
- " OPTIONS LIST
- "
- " [1] HULL DESIGN REPORT
- " [2] HULL DESCRIPTION REPORT
- " [3] HULL SPECIFICATIONS REPORT
- " [4] RIDE CONTROL SPECS REPORT
- " [5] RETURN TO MENU
- "
- " OPTION --> <&OPTION
- "
- " <77 | "
- " <77 | "
- " -----
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- " -----
- *
- IF &OPTION EQ 1 GOTO HULL2A;
- IF &OPTION EQ 2 GOTO HULL2B;
- IF &OPTION EQ 3 GOTO HULL2C;
- IF &OPTION EQ 4 GOTO HULL2D;
- IF &OPTION EQ 5 GOTO TWO;

```

```

-GOTO HULL2
-*
-HULL2A
-*
-CRTFORM LINE 1
-|-----|
-| PARTIAL OR FULL REPORT SELECTION OPTIONS |
-|-----|
-| <77 | "
-|                                     [1] ALL DESIGNS IN HULLCNFG FILE      <77 | "
-|                                     [2] DESIGNS ASSOCIATED WITH SPECIFIC  <77 | "
-|                                     HULL TYPE/SUBTYPE                    <77 | "
-|                                     [3] RETURN TO MENU                    <77 | "
-| <77 | "
-|                                     OPTION <&OPTION <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-|-----|
-| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-|-----|
-*
-IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A
-*
-HULL2A2
-*
-CRTFORM LINE 1
-|-----|
-| HULL TYPE AND SUBTYPE SELECTION (HULLDESN SEGMENT) |
-|-----|
-| <77 | "
-| TYPE          <16 < &HULL_TYP   <77 | "
-| SUBTYPE       <16 < &HULL_STYP  <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-|-----|
-| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-|-----|
-*
TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE SPECIFIC DESIGNS/DESIGN NUMBERS AND GENERAL COMMENTS"
" "
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY MFR_ID NOPRINT

```

```

BY MFR_NO NOPRINT
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END
- *
- GOTO P2A
- *
- HULL2A1
- *
TABLE FILE HULLCNFG
HEADING CENTER
"ALL HULLCNFG FILE DESIGNS/DESIGN NUMBERS AND GENERAL COMMENTS"
" "
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
- *
- P2A
- *
- RUN
- GOTO HULL2A
- *
- HULL2B
- *
- CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL DESCRIPTIONS IN HULLCNFG FILE | <77 | "
- " | [2] DESCRIPTION ASSOCIATED WITH SPECIFIC | <77 | "
- " | HULL TYPE/SUBTYPE | <77 | "
- " | [3] DESCRIPTION ASSOCIATED WITH SPECIFIC | <77 | "
- " | HULL TYPE/SUBTYPE AND MFR/MFR NO | <77 | "
- " | [4] RETURN TO MENU | <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
- IF &OPTION EQ 1 GOTO HULL2B1;
- IF &OPTION EQ 2 GOTO HULL2B2;
- IF &OPTION EQ 3 GOTO HULL2B3;
- IF &OPTION EQ 4 GOTO HULL2;
- GOTO HULL2B
- *
- HULL2B1
- *
TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE DESIGN DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
HULL_SHAPE AS 'SHAP' OVER HULL_BTYP AS 'BOW' OVER HULL_RTYP AS 'STRN'
OVER_HULL_MAT AS 'MAT' OVER HULL_PTHCK AS 'PTHK' OVER HULL_FTYP
AS 'FRAM' OVER HULL_WGRPS AS 'WTGP' OVER HU_COM1 AS 'COMM' OVER
HU_COM2 AS '' OVER HU_COM3 AS ''
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

```

```

- *
- GOTO P2B
- *

```

```

- HULL2B2
- *

```

```

- CRTFORM LINE 1
- "

```

```

- " | HULL TYPE/SUBTYPE SELECTION (HULLDESN SEGMENT) | "
- "

```

```

- " | <77 | "
- " | TYPE <16 < &HULL_TYP <77 | "
- " | SUBTYPE <16 < &HULL_STYP <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "

```

```

- *
TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG FILE DESIGN DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
HULL_SHAPE AS 'SHAP' OVER HULL_BTYP AS 'BOW' OVER HULL_RTYP AS 'STRN'
OVER_HULL_MAT AS 'MAT' OVER HULL_PTHCK AS 'PTHK' OVER HULL_FTYP
AS 'FRAM' OVER HULL_WGRPS AS 'WTGP' OVER HU_COM1 AS 'COMM' OVER
HU_COM2 AS '' OVER HU_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END

```

```

- *
- GOTO P2B
- *

```

```

- HULL2B3
- *

```

```

- CRTFORM LINE 1
- "

```

```

- " | HULL TYPE/SUBTYPE AND MFR/MFR NO SELECTION (HULLDESN SEGMENT) | "
- "

```

```

- " | <77 | "

```



```

- " TYPE <16 < &HULL_TYP <77 | "
- " SUBTYPE <16 < &HULL_STYP <77 | "
- " <77 | "
- " MFR <16 < &MFR_ID <77 | "
- " MFR NO <16 < &MFR_NO <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- " -----
- *

```

TABLE FILE HULLCNFG

HEADING CENTER

"SPECIFIC HULLCNFG FILE DESIGN DESCRIPTIONS AND GENERAL COMMENTS"

" "

```

PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
HULL_SHAPE AS 'SHAP' OVER HULL_BTYP AS 'BOW' OVER HULL_RTYP AS 'STRN'
OVER HULL_MAT AS 'MAT' OVER HULL_PTHCK AS 'PTHK' OVER HULL_FTYP
AS 'FRAM' OVER HULL_WGRPS AS 'WTGP' OVER HU_COM1 AS 'COMM' OVER
HU_COM2 AS ' ' OVER HU_COM3 AS ' '
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

```

- *

-P2B

- *

-RUN

-GOTO HULL2B

- *

-HULL2C

- *

-CRTFORM LINE 1

```

- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- " -----

```

```

- " <77 | "
- " [1] ALL SPECIFICATIONS IN HULLCNFG FILE <77 | "
- " [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " HULL TYPE/SUBTYPE <77 | "
- " [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " HULL TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "
- " <77 | "
- " OPTION <&OPTION <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- " -----
- *

```

-IF &OPTION EQ 1 GOTO HULL2C1;

```

-IF &OPTION EQ 2 GOTO HULL2C2;
-IF &OPTION EQ 3 GOTO HULL2C3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2C

```

```

- *
-HULL2C1
- *

```

TABLE FILE HULLCNFG

HEADING CENTER

"HULLCNFG FILE DESIGN SPECIFICATIONS AND GENERAL COMMENTS"

" "

```

PRINT HULL TYP AS 'TYPE' OVER HULL STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
HULL LOA AS 'LOA' OVER HULL LBP AS 'LBP' OVER HULL BEAM AS 'BEAM'
OVER HULL MX DRFT AS 'MXDF' OVER HULL MN DRFT AS 'MNDF' OVER
HULL LS DRFT AS 'LSDF' OVER HULL FBD AS 'FBD' OVER HULL FL DIS
AS 'FDIS' OVER HULL DWT AS 'DWT' OVER HULL DRA ST AS 'DRST'
OVER HULL DRA MC AS 'DRMC' OVER HULL MX DPTH AS 'DPTH' OVER
HULL BLCK CO AS 'BLCK' OVER HULL PRIS CO AS 'PRIS' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY HULL TYP NOPRINT
BY HULL STYP NOPRINT
BY MFR ID NOPRINT
BY MFR_NO NOPRINT
END

```

```

- *
-GOTO P2C
- *

```

-HULL2C2

- *

-CRTFORM LINE 1

```

- "-----"
- " | HULL TYPE/SUBTYPE SELECTION (HULLDESN SEGMENT) | "
- "-----"
- " | <77 | "
- " | TYPE | <16 < &HULL_TYP <77 | "
- " | SUBTYPE | <16 < &HULL_STYP <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"

```

- *

TABLE FILE HULLCNFG

HEADING CENTER

"SPECIFIC HULLCNFG FILE DESIGN SPECIFICATIONS AND GENERAL COMMENTS"

" "

```

PRINT HULL TYP AS 'TYPE' OVER HULL STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR NO AS 'NUM' SKIP-LINE OVER
HULL LOA AS 'LOA' OVER HULL LBP AS 'LBP' OVER HULL BEAM AS 'BEAM'
OVER HULL MX DRFT AS 'MXDF' OVER HULL MN DRFT AS 'MNDF' OVER
HULL LS DRFT AS 'LSDF' OVER HULL FBD AS 'FBD' OVER HULL FL DIS
AS 'FDIS' OVER HULL DWT AS 'DWT' OVER HULL DRA ST AS 'DRST'
OVER HULL DRA_MC AS 'DRMC' OVER HULL MX_DPTH AS 'DPTH' OVER

```

```

HULL_BLK_CO AS 'BLCK' OVER HULL_PRIS_CO AS 'PRIS' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END
- *
-GOTO P2C
- *
-HULL2C3
- *
-CRTFORM LINE 1
- "-----"
- " | HULL TYPE/SUBTYPE AND MFR/MFR NO SELECTION (HULLDESN SEGMENT) | "
- "-----"
- " | <77 | "
- " | TYPE | <16 < &HULL_TYP | <77 | "
- " | SUBTYPE | <16 < &HULL_STYP | <77 | "
- " | <77 | "
- " | MFR | <16 < &MFR_ID | <77 | "
- " | MFR NO | <16 < &MFR_NO | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG FILE DESIGN SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
HULL_LOA AS 'LOA' OVER HULL_LBP AS 'LBP' OVER HULL_BEAM AS 'BEAM'
OVER HULL_MX_DRFT AS 'MXDF' OVER HULL_MN_DRFT AS 'MNDF' OVER
HULL_LS_DRFT AS 'LSDF' OVER HULL_FBD AS 'FBD' OVER HULL_FL_DIS
AS 'FDIS' OVER HULL_DWT AS 'DWT' OVER HULL_DRA_ST AS 'DRST'
OVER HULL_DRA_MC AS 'DRMC' OVER HULL_MX_DPTH AS 'DPTH' OVER
HULL_BLK_CO AS 'BLCK' OVER HULL_PRIS_CO AS 'PRIS' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
- *
-P2C
- *
-RUN
-GOTO HULL2C
- *
-HULL2D
- *
-CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"

```



```

- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
- "-----"
- *
TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG RIDE CONTROL SPECS AND GENERAL COMMENTS"
" "
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
CNTR_TYPE AS 'CTYP' OVER CNTR_DESC AS 'DESC' OVER
CNTR_COM1 AS 'COMM' OVER CNTR_COM2 AS '' OVER CNTR_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END
- *
-GOTO P2D
- *
-HULL2C3
- *
-CRTFORM LINE 1
- "-----"
- " | HULL TYPE/SUBTYPE AND MFR/MFR NO SELECTION (HULLDESN SEGMENT) |"
- "-----"
- " | <77 |"
- " | TYPE <16 < &HULL_TYP <77 |"
- " | SUBTYPE <16 < &HULL_STYP <77 |"
- " | <77 |"
- " | MFR <16 < &MFR_ID <77 |"
- " | MFR NO <16 < &MFR_NO <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |"
- "-----"
- *
TABLE FILE HULLCNFG
HEADING CENTER
"SPECIFIC HULLCNFG RIDE CONTROL SPECS AND GENERAL COMMENTS"
" "
PRINT HULL_TYP AS 'TYPE' OVER HULL_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
CNTR_TYPE AS 'CTYP' OVER CNTR_DESC AS 'DESC' OVER
CNTR_COM1 AS 'COMM' OVER CNTR_COM2 AS '' OVER CNTR_COM3 AS ''
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
- *
-P2D
- *
-RUN
-GOTO HULL2D
- *

```

```

-AMV2
-*
-CRTFORM LINE 1
-|-----|
-| PARTIAL OR FULL REPORT SELECTION OPTIONS |
-|-----|
-| <77 | "
-| [1] ALL AMV REFS IN HULLCNFG FILE <77 | "
-| [2] REFS ASSOCIATED WITH SPECIFIC <77 | "
-| HULL TYPE/SUBTYPE <77 | "
-| [3] RETURN TO MENU <77 | "
-| <77 | "
-| OPTION <&OPTION <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-|-----|
-| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-|-----|
-*
-IF &OPTION EQ 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2
-*
-AMV2A2
-*
-CRTFORM LINE 1
-|-----|
-| HULL TYPE AND SUBTYPE SELECTION (HULLDESN SEGMENT) |
-|-----|
-| <77 | "
-| TYPE <16 < &HULL_TYP <77 | "
-| SUBTYPE <16 < &HULL_STYP <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-|-----|
-| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-|-----|
-*
TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE SPECIFIC AMV DATABASE REFERENCES"
" "
PRINT HULL_TYP AS 'TYPE' HULL_STYP AS 'STYP'
SHIP ID AS 'SHIP' SHIP NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END
-*
```

```

-GOTO PAMV
-
-AMV2A1
-
TABLE FILE HULLCNFG
HEADING CENTER
"ALL HULLCNFG FILE AMV REFERENCES"
" "
PRINT HULL_TYP AS 'TYPE' HULL_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
END
-
-PAMV
-
-RUN
-GOTO AMV2
-
-LIT2
-
-CRTFORM LINE 1
-
-----
- | PARTIAL OR FULL REPORT SELECTION OPTIONS |
-
- | <77 | "
- | [1] ALL LIT REFS IN HULLCNFG FILE <77 | "
- | [2] REFS ASSOCIATED WITH SPECIFIC <77 | "
- | HULL TYPE/SUBTYPE <77 | "
- | [3] RETURN TO MENU <77 | "
- | <77 | "
- | OPTION <&OPTION <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
-
-----
- | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-
-
-IF &OPTION EQ 2 GOTO LIT2A2;
-IF &OPTION EQ 1 GOTO LIT2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO LIT2
-
-LIT2A2
-
-CRTFORM LINE 1
-
-----
- | HULL TYPE AND SUBTYPE SELECTION (HULLDESN SEGMENT) |
-
- | <77 | "
- | TYPE <16 < &HULL_TYP <77 | "
- | SUBTYPE <16 < &HULL_STYP <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "

```

```

- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "

```

```

- " |-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- " |-----"

```

```

- *
TABLE FILE HULLCNFG
HEADING CENTER
"HULLCNFG FILE SPECIFIC LITERATURE REFERENCES"
" "
PRINT HULL_TYP AS 'TYPE' HULL_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
IF HULL_TYP IS &HULL_TYP
IF HULL_STYP IS &HULL_STYP
END

```

```

- *
-GOTO PLIT
- *

```

```

-LIT2A1
- *

```

```

TABLE FILE HULLCNFG
HEADING CENTER
"ALL HULLCNFG FILE LITERATURE REFERENCES"
" "
PRINT HULL_TYP AS 'TYPE' HULL_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
BY HULL_TYP NOPRINT
BY HULL_STYP NOPRINT
END

```

```

- *
-PLIT
- *

```

```

-RUN
-GOTO LIT2
- *

```

```

-THREE
- *

```

```

OFFLINE CLOSE
ONLINE
EX OEB300
END

```

```

- *
-RUN
-GOTO TOP

```



```

- *-----*
- *               PROPULSN FILE REPORTING SYSTEM - OEB320               *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH          *
- *DESIGNED BY    : M. J. STEVENS (VTC)                                *
- *DATE LAST REV  : 4/30/87                                           *
- *-----*
- *
- *TOP
- *DEFAULTS &OPTION=0, &PRO TYP=$$$$$$, &PRO_STYP=$$$$, &MFR_ID=$$$
- *DEFAULTS &MFR NO=$$$$$$$$$$$$
- *CRTFORM LINE I
- *
- *-----*
- *               PROPULSN FILE REPORTING SYSTEM - OEB320               *
- *-----*
- *
- *               REPORTING SYSTEM OPTIONS
- *
- *               [1] OUTPUT OPTIONS
- *               [2] REPORT OPTIONS
- *               [3] EXIT PROGRAM
- *
- *               OPTION --> <&OPTION
- *
- *               <77 | "
- *               <77 | "
- *               <77 | "
- *
- *-----*
- *               [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *GOTO TOP
- *
- *ONE
- *
- *CRTFORM LINE 1
- *
- *-----*
- *               REPORT OUTPUT OPTIONS MENU
- *-----*
- *
- *               OPTIONS LIST
- *
- *               [1] DIRECT OUTPUT TO CRT
- *               [2] DIRECT OUTPUT TO PRT
- *               [3] REPORT DIRECTORY
- *
- *               OPTION --> <&OPTION
- *
- *               <77 | "
- *               <77 | "
- *
- *-----*
- *               [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO MAIN1;

```



```

-GOTO HULL2
-★
-HULL2A
-★
-CRTFORM LINE 1
-|-----|
-| PARTIAL OR FULL REPORT SELECTION OPTIONS |
-|-----|
-| <77 | "
-| [1] ALL SYSTEMS IN PROPULSN FILE <77 | "
-| [2] SYSTEMS ASSOCIATED WITH SPECIFIC <77 | "
-| PROPULSION TYPE/SUBTYPE <77 | "
-| [3] RETURN TO MENU <77 | "
-| <77 | "
-| OPTION <&OPTION <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-|-----|
-| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-|-----|
-★
-IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A
-★
-HULL2A2
-★
-CRTFORM LINE 1
-|-----|
-| SYS TYPE AND SUBTYPE SELECTION (PROPULSN SEGMENT) |
-|-----|
-| <77 | "
-| TYPE <16 < &PRO_TYP <77 | "
-| SUBTYPE <16 < &PRO_STYP <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-|-----|
-| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-|-----|
-★
TABLE FILE PROPULSN
HEADING CENTER
"PROPULSN FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY MFR_ID NOPRINT

```

```

BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
- *
- GOTO P2A
- *
- HULL2A1
- *
TABLE FILE PROPULSN
HEADING CENTER
"ALL PROPULSN FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS '' OVER MFR_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
- *
- P2A
- *
- RUN
- GOTO HULL2A
- *
- HULL2B
- *
- CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL DESCRIPTIONS IN PROPULSN FILE | <77 | "
- " | [2] DESCRIPTION ASSOCIATED WITH SPECIFIC | <77 | "
- " | SYS TYPE/SUBTYPE | <77 | "
- " | [3] DESCRIPTION ASSOCIATED WITH SPECIFIC | <77 | "
- " | SYS TYPE/SUBTYPE AND MFR/MFR NO | <77 | "
- " | [4] RETURN TO MENU | <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
- IF &OPTION EQ 1 GOTO HULL2B1;
- IF &OPTION EQ 2 GOTO HULL2B2;
- IF &OPTION EQ 3 GOTO HULL2B3;
- IF &OPTION EQ 4 GOTO HULL2;
- GOTO HULL2B
- *
- HULL2B1
- *
TABLE FILE PROPULSN
HEADING CENTER
"PROPULSN FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_FNCTN AS 'FNCT' OVER PRO_HP_TYP AS 'HTYP' OVER PRO_HP_COM AS 'HCOM'
OVER PRO_FUEL AS 'FUEL' OVER PRO_ST_MTHD AS 'STRT' OVER
PRO_TURBO AS 'TURB' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS '' OVER PR_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

```

```

- *
- GOTO P2B
- *

```

```

- HULL2B2
- *

```

```

- CRTFORM LINE 1
- "

```

```

- " |-----"
- " |                SYS TYPE/SUBTYPE SELECTION (PROTYP SEGMENT)                |"
- " |-----"
- " | <77 |"
- " | TYPE                <16 < &PRO_TYP    <77 |"
- " | SUBTYPE            <16 < &PRO_STYP    <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " |-----"

```

```

- " |                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                |"
- " |-----"
- *

```

```

TABLE FILE PROPULSN
HEADING CENTER
"SPECIFIC PROPULSN FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_FNCTN AS 'FNCT' OVER PRO_HP_TYP AS 'HTYP' OVER PRO_HP_COM AS 'HCOM'
OVER PRO_FUEL AS 'FUEL' OVER PRO_ST_MTHD AS 'STRT' OVER
PRO_TURBO AS 'TURB' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS '' OVER PR_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

```

```

- *
- GOTO P2B
- *

```

```

- HULL2B3
- *

```

```

- CRTFORM LINE 1
- "

```

```

- " |-----"
- " |                SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROTYP SEGMENT)                |"
- " |-----"
- " | <77 |"

```

```

- " TYPE <16 < &PRO_TYP <77 | "
- " SUBTYPE <16 < &PRO_STYP <77 | "
- " <77 | "
- " MFR <16 < &MFR_ID <77 | "
- " MFR NO <16 < &MFR_NO <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
TABLE FILE PROPULSN
HEADING CENTER
"SPECIFIC PROPULSN FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_FNCTN AS 'FNCT' OVER PRO_HP_TYP AS 'HTYP' OVER PRO_HP_COM AS 'HCOM'
OVER PRO_FUEL AS 'FUEL' OVER PRO_ST_MTHD AS 'STRT' OVER
PRO_TURBO AS 'TURB' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS ' ' OVER PR_COM3 AS ' '
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
- *
- P2B
- *
- RUN
- GOTO HULL2B
- *
- HULL2C
- *
- CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " <77 | "
- " [1] ALL SPECIFICATIONS IN PROPULSN FILE <77 | "
- " [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE <77 | "
- " [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "
- " <77 | "
- " OPTION <&OPTION <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
- IF &OPTION EQ 1 GOTO HULL2C1;

```

-HULL2C1

TABLE FILE PROPULSN
HEADING CENTER

"PROPULSN FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"

```
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_HP AS 'HP' OVER PRO_RPM AS 'RPM' OVER PRO_VOL AS 'VOL' OVER
PRO_WEIGHT AS 'WT' OVER PRO_LEN AS 'LEN' OVER PRO_WIDTH AS 'WDTH'
OVER PRO_HEIGHT AS 'HT' OVER PRO_SFC AS 'SFC' OVER PRO_PWR CST
AS 'PCST' OVER PRO_MNT CST AS 'MCST' OVER PRO_MNT MHR AS 'MMHR'
OVER PRO_CYCLE AS 'CYCL' OVER PRO_NO CYL AS 'NCYL' OVER PRO_STROK
AS 'STRK' OVER PRO_BORE AS 'BORE' OVER PRO_MEP AS 'MEP' OVER
PRO_REL RAT AS 'RRAT' OVER PRO_ORD_TM AS 'ORDT' OVER PRO_DIS AS
'DIS' OVER
```

SPEC COM1 AS 'COMM' OVER SPEC COM2 AS '' OVER SPEC COM3 AS ''

BY PRO TYP NOPRINT

BY PRO-STYP NOPRINT

BY MFR ID NOPRINT

BY MFR-NO NOPRINT

END

-GOTO P2C

-HULL2C2

-CRTFORM LINE 1

- " | **SYS TYPE/SUBTYPE SELECTION (PROTYP SEGMENT)**

[illegible]

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT

TABLE FILE PROPULSN

HEADING CENTER

"SPECIFIC PROPULSN FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"

```
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_HP AS 'HP' OVER PRO_RPM AS 'RPM' OVER PRO_VOL AS 'VOL' OVER
PRO_WEIGHT AS 'WT' OVER PRO_LEN AS 'LEN' OVER PRO_WIDTH AS 'WDTH'
OVER PRO HEIGHT AS 'HT' OVER PRO_SFC AS 'SFC' OVER PRO_PWR CST
```



```

AS 'PCST' OVER PRO_MNT_CST AS 'MCST' OVER PRO_MNT_MHR AS 'MMHR'
OVER PRO_CYCLE AS 'CYCL' OVER PRO_NO_CYL AS 'NCYL' OVER PRO_STROK
AS 'STRK' OVER PRO_BORE AS 'BORE' OVER PRO_MEP AS 'MEP' OVER
PRO_REL_RAT AS 'RRAT' OVER PRO_ORD_TM AS 'ORDT' OVER PRO_DIS AS
'DIS' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

```

```

- *
-GOTO P2C
- *

```

```

-HULL2C3
- *

```

```

-CRTFORM LINE 1
- "

```

```

- " |-----SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROTYP SEGMENT)-----| "
- " |-----"

```

```

- " | <77 | "
- " | TYPE <16 < &PRO_TYP <77 | "
- " | SUBTYPE <16 < &PRO_STYP <77 | "
- " | <77 | "
- " | MFR <16 < &MFR_ID <77 | "
- " | MFR NO <16 < &MFR_NO <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " |-----"

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- " |-----"
- *

```

```

TABLE FILE PROPULSN

```

```

HEADING CENTER

```

```

"SPECIFIC PROPULSN FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_HP AS 'HP' OVER PRO_RPM AS 'RPM' OVER PRO_VOL AS 'VOL' OVER
PRO_WEIGHT AS 'WT' OVER PRO_LEN AS 'LEN' OVER PRO_WIDTH AS 'WDTH'
OVER PRO_HEIGHT AS 'HT' OVER PRO_SFC AS 'SFC' OVER PRO_PWR_CST
AS 'PCST' OVER PRO_MNT_CST AS 'MCST' OVER PRO_MNT_MHR AS 'MMHR'
OVER PRO_CYCLE AS 'CYCL' OVER PRO_NO_CYL AS 'NCYL' OVER PRO_STROK
AS 'STRK' OVER PRO_BORE AS 'BORE' OVER PRO_MEP AS 'MEP' OVER
PRO_REL_RAT AS 'RRAT' OVER PRO_ORD_TM AS 'ORDT' OVER PRO_DIS AS
'DIS' OVER

```

```

SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''

```

```

IF PRO_TYP IS &PRO_TYP

```

```

IF PRO_STYP IS &PRO_STYP

```

```

IF MFR_ID IS &MFR_ID

```

```

IF MFR_NO IS &MFR_NO

```

```

END

```

```

- *
-P2C
- *

```

```

-RUN

```

```

-GOTO HULL2C

```

```

- *
-HULL2D
- *
-CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL DRIVE SPECIFICATIONS IN FILE <77 | "
- " | [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " | SYS TYPE/SUBTYPE <77 | "
- " | [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " | SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " | [4] RETURN TO MENU <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
-IF &OPTION EQ 1 GOTO HULL2D1;
-IF &OPTION EQ 2 GOTO HULL2D2;
-IF &OPTION EQ 3 GOTO HULL2D3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2D
- *
-HULL2D1
- *
TABLE FILE PROPULSN
HEADING CENTER
"PROPULSN DRIVE SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
DRV_MFR AS 'MFR' OVER DRV_MOD AS 'MOD' OVER DRV_TYP AS 'TYPE' OVER
DRV_RED_RAT AS 'RRAT' OVER DRV_VOL AS 'VOL' OVER DRV_WEIGHT AS 'WT'
OVER DRV_REV AS 'REV' OVER
DRV_COM1 AS 'COMM' OVER DRV_COM2 AS '' OVER DRV_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
- *
-GOTO P2D
- *
-HULL2D2
- *
-CRTFORM LINE 1
- "-----"
- " | SYS TYPE/SUBTYPE SELECTION (PROTYP SEGMENT) | "
- "-----"
- " | <77 | "
- " | TYPE <16 < &PRO_TYP <77 | "
- " | SUBTYPE <16 < &PRO_STYP <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "

```

```

- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "

```

```

- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- "

```

```

- *
TABLE FILE PROPULSN
HEADING CENTER
"SPECIFIC PROPULSN DRIVE SPECIFICATIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
DRV_MFR AS 'MFR' OVER DRV_MOD AS 'MOD' OVER DRV_TYP AS 'TYPE' OVER
DRV_RED_RAT AS 'RRAT' OVER DRV_VOL AS 'VOL' OVER DRV_WEIGHT AS 'WT'
OVER DRV_REV AS 'REV' OVER
DRV_COM1 AS 'COMM' OVER DRV_COM2 AS '' OVER DRV_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

```

```

- *
-GOTO P2D

```

```

- *
-HULL2C3

```

```

- *
-CRTFORM LINE 1

```

```

- " SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROTYP SEGMENT) "
- "

```

```

- " <77 | "
- " TYPE <16 < &PRO_TYP <77 | "
- " SUBTYPE <16 < &PRO_STYP <77 | "
- " <77 | "
- " MFR <16 < &MFR_ID <77 | "
- " MFR_NO <16 < &MFR_NO <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- "

```

```

- *
TABLE FILE PROPULSN
HEADING CENTER
"SPECIFIC PROPULSN DRIVE SPECIFICATIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
DRV_MFR AS 'MFR' OVER DRV_MOD AS 'MOD' OVER DRV_TYP AS 'TYPE' OVER
DRV_RED_RAT AS 'RRAT' OVER DRV_VOL AS 'VOL' OVER DRV_WEIGHT AS 'WT'
OVER DRV_REV AS 'REV' OVER

```

```

DRV_COM1 AS 'COMM' OVER DRV_COM2 AS '' OVER DRV_COM3 AS ''
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

```

```

- *
-P2D
- *
-RUN
-GOTO HULL2D
- *
-AMV2
- *
-CRTFORM LINE 1

```

```

- "-----"
- "PARTIAL OR FULL REPORT SELECTION OPTIONS"
- "-----"

```

```

- " <77 | "
- " [1] ALL AMV REFS IN PROPULSN FILE <77 | "
- " [2] REFS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE <77 | "
- " [3] RETURN TO MENU <77 | "
- " <77 | "
- " OPTION <&OPTION <77 | "

```

```

- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- "-----"
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT"
- "-----"

```

```

- *
-IF &OPTION EQ 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2

```

```

- *
-AMV2A2
- *
-CRTFORM LINE 1

```

```

- "-----"
- "SYS TYPE AND SUBTYPE SELECTION (PROTYP SEGMENT)"
- "-----"

```

```

- " <77 | "
- " TYPE <16 < &PRO_TYP <77 | "
- " SUBTYPE <16 < &PRO_STYP <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- "-----"
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT"
- "-----"

```

```

- "-----"
- *
TABLE FILE PROPULSN
HEADING CENTER
"PROPULSN FILE SPECIFIC AMV DATABASE REFERENCES"
" "
PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
- *
- GOTO PAMV
- *
- AMV2A1
- *
TABLE FILE PROPULSN
HEADING CENTER
"ALL PROPULSN FILE AMV REFERENCES"
" "
PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
END
- *
- PAMV
- *
- RUN
- GOTO AMV2
- *
- LIT2
- *
- CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL LIT REFS IN PROPULSN FILE | <77 | "
- " | [2] REFS ASSOCIATED WITH SPECIFIC | <77 | "
- " | SYS TYPE/SUBTYPE | <77 | "
- " | [3] RETURN TO MENU | <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
- IF &OPTION EQ 2 GOTO LIT2A2;
- IF &OPTION EQ 1 GOTO LIT2A1;
- IF &OPTION EQ 3 GOTO TWO;
- GOTO LIT2
- *
- LIT2A2
- *
- CRTFORM LINE 1

```



```

- *-----
- *                PROPULSR FILE REPORTING SYSTEM - OEB330
- *-----
- *DESIGNED FOR    : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
- *DESIGNED BY     : M. J. STEVENS (VTC)
- *DATE LAST REV   : 4/30/87
- *-----
- *
- *TOP
- *DEFAULTS &OPTION=0, &PRO TYP=$$$$$$, &PRO_STYP=$$$$, &MFR_ID=$$$
- *DEFAULTS &MFR NO=$$$$$$$$$$$$
- *CRTFORM LINE 1
- *-----
- *|                PROPULSR FILE REPORTING SYSTEM - OEB330
- *|-----
- *|
- *|                REPORTING SYSTEM OPTIONS
- *|
- *|                [1] OUTPUT OPTIONS
- *|                [2] REPORT OPTIONS
- *|                [3] EXIT PROGRAM
- *|
- *|                OPTION --> <&OPTION
- *|
- *| <77 |"
- *| <77 |"
- *| <77 |"
- *|-----
- *| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *|-----
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *GOTO TOP
- *
- *ONE
- *
- *CRTFORM LINE 1
- *-----
- *|                REPORT OUTPUT OPTIONS MENU
- *|-----
- *|
- *|                OPTIONS LIST
- *|
- *|                [1] DIRECT OUTPUT TO CRT
- *|                [2] DIRECT OUTPUT TO PRT
- *|                [3] REPORT DIRECTORY
- *|
- *|                OPTION --> <&OPTION
- *|
- *| <77 |"
- *| <77 |"
- *|-----
- *| [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *|-----
- *
- *IF &OPTION EQ 1 GOTO MAIN1;

```

```

-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
-*
```

```

-MAIN1
-*
```

```

  OFFLINE CLOSE
  ONLINE
  END
```

```

-*
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```

-CRTFORM LINE 1
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=====
| ALL REPORTS WILL OUTPUT TO SCREEN |
=====
```

PRESS RETURN TO CONTINUE <&OPTION "

```

-RUN
-GOTO ONE
-*
```

```

-HULL1
-*
```

```

  OFFLINE
  END
```

```

-*
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```

-CRTFORM LINE 1
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=====
| ALL REPORTS WILL OUTPUT TO PRINTER |
=====
```

PRESS RETURN TO CONTINUE <&OPTION "

```

-RUN
-GOTO ONE
-*
```

```

-*****
-TWO
-*****
```

```

-*
```

```

-CRTFORM LINE 1
```

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-----
| PROPULSR FILE REPORT OPTIONS - OEB330 |
-----
```

OPTIONS LIST

```

[1] MAIN SEGMENT REPORT
[2] SYS SEGMENT REPORTS
```



```

-GOTO HULL2
-
-HULL2A
-
-CRTFORM LINE 1
-
-
-----
- | PARTIAL OR FULL REPORT SELECTION OPTIONS |
-----
- | <77 | "
- | [1] ALL SYSTEMS IN PROPULSR FILE <77 | "
- | [2] SYSTEMS ASSOCIATED WITH SPECIFIC <77 | "
- | PROPULSOR TYPE/SUBTYPE <77 | "
- | [3] RETURN TO MENU <77 | "
- | <77 | "
- | OPTION <&OPTION <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
-
-----
- | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-----
-
-IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A
-
-HULL2A2
-
-CRTFORM LINE 1
-
-
-----
- | SYS TYPE AND SUBTYPE SELECTION (PROPULSR SEGMENT) |
-----
- | <77 | "
- | TYPE <16 < &PRO_TYP <77 | "
- | SUBTYPE <16 < &PRO_STYP <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
- | <77 | "
-
-----
- | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT |
-----
-
TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY MFR_ID NOPRINT

```

```

BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

```

```

- *
-GOTO P2A
- *

```

```

-HULL2A1
- *

```

```

TABLE FILE PROPULSR
HEADING CENTER
"ALL PROPULSR FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS '' OVER MFR_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

```

```

- *
-P2A
- *
-RUN
-GOTO HULL2A
- *

```

```

-HULL2B
- *

```

```

-CRTFORM LINE 1
- "

```

```

- "-----"
- "PARTIAL OR FULL REPORT SELECTION OPTIONS"
- "-----"
- " <77 | "
- " [1] ALL DESCRIPTIONS IN PROPULSR FILE <77 | "
- " [2] DESCRIPTION ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE <77 | "
- " [3] DESCRIPTION ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "
- " <77 | "
- " OPTION <&OPTION <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- "-----"
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT"
- "-----"

```

```

- *
-IF &OPTION EQ 1 GOTO HULL2B1;
-IF &OPTION EQ 2 GOTO HULL2B2;
-IF &OPTION EQ 3 GOTO HULL2B3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2B
- *

```

```

-HULL2B1
- *

```

```

TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_TRAIN AS 'TRN' OVER PRO_MAT AS 'MAT' OVER PRO_VAR_PITCH AS 'VPCH'
OVER PRO_CNT_PTCH AS 'CPCH' OVER PRO_FULL_REV AS 'FREV' OVER
PRO_DUCTED AS 'DUCT' OVER PRO_TUNNEL AS 'TUNN' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS '' OVER PR_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

```

```

- *
- GOTO P2B
- *
- HULL2B2
- *
- CRTFORM LINE 1

```

```

- " |-----"
- " |                SYS TYPE/SUBTYPE SELECTION (PROSYS SEGMENT)                |"
- " |-----"
- " | <77 | "
- " | TYPE                <16 < &PRO_TYP    <77 | "
- " | SUBTYPE              <16 < &PRO_STYP  <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " |-----"
- " |                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                |"
- " |-----"

```

```

- *
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_TRAIN AS 'TRN' OVER PRO_MAT AS 'MAT' OVER PRO_VAR_PITCH AS 'VPCH'
OVER PRO_CNT_PTCH AS 'CPCH' OVER PRO_FULL_REV AS 'FREV' OVER
PRO_DUCTED AS 'DUCT' OVER PRO_TUNNEL AS 'TUNN' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS '' OVER PR_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

```

```

- *
- GOTO P2B
- *
- HULL2B3
- *
- CRTFORM LINE 1

```

```

- " |-----"
- " |                SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROSYS SEGMENT)                |"
- " |-----"

```

```

- " | <77 | "

```

```

- " TYPE <16 < &PRO_TYP <77 | "
- " SUBTYPE <16 < &PRO_STYP <77 | "
- " <77 | "
- " MFR <16 < &MFR_ID <77 | "
- " MFR NO <16 < &MFR_NO <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- " -----
- *

```

TABLE FILE PROPULSR

HEADING CENTER

"SPECIFIC PROPULSR FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"

" "

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_TRAIN AS 'TRN' OVER PRO_MAT AS 'MAT' OVER PRO_VAR PITCH AS 'VPCH'
OVER PRO_CNT PTCH AS 'CPCH' OVER PRO_FULL REV AS 'FREV' OVER
PRO_DUCTED AS 'DUCT' OVER PRO_TUNNEL AS 'TUNN' OVER
PR_COM1 AS 'COMM' OVER PR_COM2 AS ' ' OVER PR_COM3 AS ' '
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

```

- *

- P2B

- *

- RUN

- GOTO HULL2B

- *

- HULL2C

- *

- CRTFORM LINE 1

```

- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- " -----

```

```

- " <77 | "
- " [1] ALL SPECIFICATIONS IN PROPULSR FILE <77 | "
- " [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE <77 | "
- " [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "

```

- " <77 | "

OPTION <&OPTION <77 | "

- " <77 | "

- " <77 | "

- " <77 | "

- " <77 | "

- " <77 | "

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- " -----
- *

```

- IF &OPTION EQ 1 GOTO HULL2C1;

```

-IF &OPTION EQ 2 GOTO HULL2C2;
-IF &OPTION EQ 3 GOTO HULL2C3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2C
-*
-HULL2C1
-*
TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_DIA AS 'DIA' OVER PRO_WEIGHT AS 'WT' OVER PRO_PTCH_MX AS 'MPCH'
OVER PRO_NO_BLDS AS 'NBLD' OVER PRO_AREA_RAT AS 'ARAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
-*
-GOTO P2C
-*
-HULL2C2
-*
CRTFORM LINE 1
"-----"
" |                SYS TYPE/SUBTYPE SELECTION (PROSYS SEGMENT)                |"
"-----"
" | <77 | "
" | TYPE                <16 < &PRO_TYP    <77 | "
" | SUBTYPE            <16 < &PRO_STYP    <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                |"
"-----"
-*
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_DIA AS 'DIA' OVER PRO_WEIGHT AS 'WT' OVER PRO_PTCH_MX AS 'MPCH'
OVER PRO_NO_BLDS AS 'NBLD' OVER PRO_AREA_RAT AS 'ARAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
-*

```

```

-GOTO P2C
-
-HULL2C3
-
-CRTFORM LINE 1
-
-|-----"
-|          SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROSYS SEGMENT)
-|-----"
-| <77 | "
-| TYPE          <16 < &PRO_TYP   <77 | "
-| SUBTYPE       <16 < &PRO_STYP  <77 | "
-| <77 | "
-| MFR           <16 < &MFR_ID    <77 | "
-| MFR NO        <16 < &MFR_NO   <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-| <77 | "
-|-----"
-|          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
-|-----"
-
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
"
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
PRO_DIA AS 'DIA' OVER PRO_WEIGHT AS 'WT' OVER PRO_PTCH_MX AS 'MPCH'
OVER PRO_NO_BLD AS 'NBLD' OVER PRO_AREA_RAT AS 'ARAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
-
-P2C
-
-RUN
-GOTO HULL2C
-
-HULL2D
-
-CRTFORM LINE 1
-
-|-----"
-|          PARTIAL OR FULL REPORT SELECTION OPTIONS
-|-----"
-| <77 | "
-|          [1] ALL SHAFT SPECIFICATIONS IN FILE          <77 | "
-|          [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC   <77 | "
-|             SYS TYPE/SUBTYPE                           <77 | "
-|          [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC   <77 | "
-|             SYS TYPE/SUBTYPE AND MFR/MFR NO            <77 | "
-|          [4] RETURN TO MENU                            <77 | "
-| <77 | "
-|          OPTION <&OPTION <77 | "
-| <77 | "
-| <77 | "

```

```

- " | <77 | "
- " | <77 | "
- " | <77 | "
- "
-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "
-----"
- *
- IF &OPTION EQ 1 GOTO HULL2D1;
- IF &OPTION EQ 2 GOTO HULL2D2;
- IF &OPTION EQ 3 GOTO HULL2D3;
- IF &OPTION EQ 4 GOTO HULL2;
- GOTO HULL2D
- *
- HULL2D1
- *
TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR SHAFT SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
SH_ANGL AS 'ANGL' OVER SH_MAT AS 'MAT' OVER SH_OD AS 'OD' OVER
SH_ID AS 'ID' OVER SH_SMOD AS 'SMOD' OVER
SH_COM1 AS 'COMM' OVER SH_COM2 AS ' ' OVER SH_COM3 AS ' '
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
- *
- GOTO P2D
- *
- HULL2D2
- *
- CRTFORM LINE 1
- "
-----"
- " | SYS TYPE/SUBTYPE SELECTION (PROSYS SEGMENT) | "
- "
-----"
- " | <77 | "
- " | TYPE | <16 < &PRO_TYP | <77 | "
- " | SUBTYPE | <16 < &PRO_STYP | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "
-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "
-----"
- *
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR SHAFT SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
SH_ANGL AS 'ANGL' OVER SH_MAT AS 'MAT' OVER SH_OD AS 'OD' OVER

```



```

SH_ID AS 'ID' OVER SH_SMOD AS 'SMOD' OVER
SH_COM1 AS 'COMM' OVER SH_COM2 AS '' OVER SH_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END

```

```

- *
-GOTO P2D
- *

```

```

-HULL2C3
- *

```

```

-CRTFORM LINE 1

```

```

- " |-----"
- " |          SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (PROSYS SEGMENT)          |"
- " |-----"

```

```

- " | <77 | "
- " | TYPE          <16 < &PRO_TYP   <77 | "
- " | SUBTYPE       <16 < &PRO_STYP  <77 | "
- " | <77 | "
- " | MFR           <16 < &MFR_ID     <77 | "
- " | MFR NO       <16 < &MFR_NO     <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " |-----"

```

```

- " |          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          |"
- " |-----"

```

```

- *
TABLE FILE PROPULSR
HEADING CENTER
"SPECIFIC PROPULSR SHAFT SPECIFICATIONS AND GENERAL COMMENTS"
" "

```

```

PRINT PRO_TYP AS 'TYPE' OVER PRO_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
SH_ANGL AS 'ANGL' OVER SH_MAT AS 'MAT' OVER SH_OD AS 'OD' OVER
SH_ID AS 'ID' OVER SH_SMOD AS 'SMOD' OVER
SH_COM1 AS 'COMM' OVER SH_COM2 AS '' OVER SH_COM3 AS ''
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

```

```

- *
-P2D
- *
-RUN
-GOTO HULL2D
- *

```

```

-AMV2
- *

```

```

-CRTFORM LINE 1

```

```

- " |-----"
- " |          PARTIAL OR FULL REPORT SELECTION OPTIONS          |"
- " |-----"

```

```

- " | <77 | "
- " |                                     [1] ALL AMV REFS IN PROPULSR FILE          <77 | "
- " |                                     [2] REFS ASSOCIATED WITH SPECIFIC          <77 | "
- " |-----"

```

```

- "
- " SYS TYPE, SUBTYPE <77 "
- " [3] RETURN TO MENU <77 "
- " <77 | "
- " OPTION <&OPTION <77 | "
- " <77 | "
- " <77 | "
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- " <77 | "
- " <77 | "
- " <77 | "
- "
- "-----"
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
- IF &OPTION EQ 2 GOTO AMV2A2;
- IF &OPTION EQ 1 GOTO AMV2A1;
- IF &OPTION EQ 3 GOTO TWO;
- GOTO AMV2
- *
- AMV2A2
- *
- CRTFORM LINE 1
- "
- "-----"
- " | SYS TYPE AND SUBTYPE SELECTION (PROTYP SEGMENT) | "
- "-----"
- " | <77 | "
- " | TYPE <16 < &PRO_TYP <77 | "
- " | SUBTYPE <16 < &PRO_STYP <77 | "
- " | <77 | "
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- "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE SPECIFIC AMV DATABASE REFERENCES"
" "
PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
- *
- GOTO PAMV
- *
- AMV2A1
- *
TABLE FILE PROPULSR
HEADING CENTER
"ALL PROPULSR FILE AMV REFERENCES"
" "
PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'

```



```

TABLE FILE PROPULSR
HEADING CENTER
"PROPULSR FILE SPECIFIC LITERATURE REFERENCES"
" "
PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
IF PRO_TYP IS &PRO_TYP
IF PRO_STYP IS &PRO_STYP
END
- *
-GOTO PLIT
- *
-LIT2A1
- *
TABLE FILE PROPULSR
HEADING CENTER
"ALL PROPULSR FILE LITERATURE REFERENCES"
" "
PRINT PRO_TYP AS 'TYPE' PRO_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
BY PRO_TYP NOPRINT
BY PRO_STYP NOPRINT
END
- *
-PLIT
- *
-RUN
-GOTO LIT2
- *
-THREE
- *
OFFLINE CLOSE
ONLINE
EX OEB300
END
- *
-RUN
-GOTO TOP

```

```

- *-----*
- *                WGT HANDL FILE REPORTING SYSTEM - OEB340                *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH              *
- *DESIGNED BY    : M. J. STEVENS (VTC)                                    *
- *DATE LAST REV  : 4/30/87                                                *
- *-----*
- *
- *TOP
- *DEFAULTS &OPTION=0, &WT TYP=$$$$$$, &WT_STYP=$$$$, &MFR_ID=$$$
- *DEFAULTS &MFR NO=$$$$$$
- *CRTFORM LINE I
- *-----*
- *                WGT HANDL FILE REPORTING SYSTEM - OEB340                *
- *-----*
- *
- *                REPORTING SYSTEM OPTIONS
- *
- *                [1] OUTPUT OPTIONS
- *                [2] REPORT OPTIONS
- *                [3] EXIT PROGRAM
- *
- *                OPTION --> <&OPTION
- *
- *                <77 | "
- *                <77 | "
- *                <77 | "
- *-----*
- *                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *GOTO TOP
- *
- *ONE
- *
- *CRTFORM LINE 1
- *-----*
- *                REPORT OUTPUT OPTIONS MENU
- *-----*
- *
- *                OPTIONS LIST
- *
- *                [1] DIRECT OUTPUT TO CRT
- *                [2] DIRECT OUTPUT TO PRT
- *                [3] REPORT DIRECTORY
- *
- *                OPTION --> <&OPTION
- *
- *                <77 | "
- *                <77 | "
- *-----*
- *                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO MAIN1;

```

```
-IF &OPTION EQ 2 GOTO HULL1;  
-IF &OPTION EQ 3 GOTO TOP;  
-GOTO ONE
```

```
-*
```

```
-MAIN1
```

```
-*
```

```
OFFLINE CLOSE  
ONLINE  
END
```

```
-*
```

```
-CRTFORM LINE 1
```

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```
-----"  
| ALL REPORTS WILL OUTPUT TO SCREEN |"  
-----"
```

```
PRESS RETURN TO CONTINUE <&OPTION "
```

```
-RUN
```

```
-GOTO ONE
```

```
-*
```

```
-HULL1
```

```
-*
```

```
OFFLINE  
END
```

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```

```
-CRTFORM LINE 1
```

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```
-----"  
| ALL REPORTS WILL OUTPUT TO PRINTER |"  
-----"
```

```
PRESS RETURN TO CONTINUE <&OPTION "
```

```
-RUN
```

```
-GOTO ONE
```

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```
-----"  
| WGTHANDL FILE REPORT OPTIONS - OEB340 |"  
-----"
```

```
OPTIONS LIST
```

```
[1] MAIN SEGMENT REPORT  
[2] SYS SEGMENT REPORTS
```



```

- *
-HULL2A
- *
-CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL SYSTEMS IN WGTHANDL FILE <77 | "
- " | [2] SYSTEMS ASSOCIATED WITH SPECIFIC <77 | "
- " | WT HANDLING TYPE/SUBTYPE <77 | "
- " | [3] RETURN TO MENU <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
-IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A
- *
-HULL2A2
- *
-CRTFORM LINE 1
- "-----"
- " | SYS TYPE AND SUBTYPE SELECTION (WTSYS SEGMENT) | "
- "-----"
- " | <77 | "
- " | TYPE <16 < &WT_TYP <77 | "
- " | SUBTYPE <16 < &WT_STYP <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
TABLE FILE WGTHANDL
HEADING CENTER
"WGTHANDL FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
" "
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT

```



```

IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
END
- *
- GOTO P2A
- *
- HULL2A1
- *
TABLE FILE WGTHANDL
HEADING CENTER
"ALL WGTHANDL FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS
" "
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
- *
- P2A
- *
- RUN
- GOTO HULL2A
- *
- HULL2B
- *
- CRTFORM LINE 1
- "-----"
- "PARTIAL OR FULL REPORT SELECTION OPTIONS"
- "-----"
- " <77 | "
- " [1] ALL DESCRIPTIONS IN WGTHANDL FILE <77 | "
- " [2] DESCRIPTION ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE <77 | "
- " [3] DESCRIPTION ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "
- " <77 | "
- " OPTION <&OPTION <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- "-----"
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT"
- "-----"
- *
- IF &OPTION EQ 1 GOTO HULL2B1;
- IF &OPTION EQ 2 GOTO HULL2B2;
- IF &OPTION EQ 3 GOTO HULL2B3;
- IF &OPTION EQ 4 GOTO HULL2;
- GOTO HULL2B
- *
- HULL2B1
- *
TABLE FILE WGTHANDL
HEADING CENTER
"WGTHANDL FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER

```

```

MFR ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
WT PRI FN AS 'PRFN' OVER WT_PWR TYP AS 'PWR' OVER WT_DYN POS AS 'DPOS'
OVER DESC_COM1 AS 'COMM' OVER DESC_COM2 AS '' OVER DESC_COM3 AS ''
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

```

```

- *
-GOTO P2B
- *
-HULL2B2
- *
-CRTFORM LINE 1

```

```

- " |-----"
- " |          SYS TYPE/SUBTYPE SELECTION (WTSYS SEGMENT)          |"
- " |-----"

```

```

- " | <77 |"
- " | TYPE          <16 < &WT_TYP      <77 |"
- " | SUBTYPE       <16 < &WT_STYP     <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"
- " | <77 |"

```

```

- " |-----"
- " |          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT          |"
- " |-----"

```

```

- *
TABLE FILE WGTHANDL
HEADING CENTER
"SPECIFIC WGTHANDL FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
WT PRI FN AS 'PRFN' OVER WT_PWR TYP AS 'PWR' OVER WT_DYN POS AS 'DPOS'
OVER DESC_COM1 AS 'COMM' OVER DESC_COM2 AS '' OVER DESC_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
END

```

```

- *
-GOTO P2B
- *
-HULL2B3
- *
-CRTFORM LINE 1

```

```

- " |-----"
- " |          SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (WTSYS SEGMENT)          |"
- " |-----"

```

```

- " | <77 |"
- " | TYPE          <16 < &WT_TYP      <77 |"
- " | SUBTYPE       <16 < &WT_STYP     <77 |"
- " | <77 |"
- " | MFR           <16 < &MFR_ID      <77 |"
- " | MFR NO       <16 < &MFR_NO      <77 |"

```

```

- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "
- " <77 "

```

```

- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- "

```

```

- *
TABLE FILE WGTHANDL
HEADING CENTER
"SPECIFIC WGTHANDL FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
WT_PRI FN AS 'PRFN' OVER WT_PWR_TYP AS 'PWR' OVER WT_DYN_POS AS 'DPOS'
OVER DESC_COM1 AS 'COMM' OVER DESC_COM2 AS '' OVER DESC_COM3 AS ''
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

```

```

- *
-P2B
- *
-RUN
-GOTO HULL2B
- *

```

```

-HULL2C
- *

```

```

-CRTFORM LINE 1
- "

```

```

- " PARTIAL OR FULL REPORT SELECTION OPTIONS "
- "

```

```

- " <77 | "
- " [1] ALL SPECIFICATIONS IN WGTHANDL FILE <77 | "
- " [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE <77 | "
- " [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "

```

```

- " <77 | "
- " OPTION &OPTION <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- "

```

```

- *
-IF &OPTION EQ 1 GOTO HULL2C1;
-IF &OPTION EQ 2 GOTO HULL2C2;
-IF &OPTION EQ 3 GOTO HULL2C3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2C
- *

```

```

-HULL2C1
- *

```

```

TABLE FILE WGTHANDL
HEADING CENTER
"WGTHANDL FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
WT_REACH AS 'RCH' OVER WT_CAP AS 'CAP' OVER WT_WEIGHT AS 'WT' OVER
WT_VEL AS 'VEL' OVER WT_MOM AS 'MOM' OVER WT_VOL AS 'VOL' OVER
WT_COST AS 'COST' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
- *
-GOTO P2C
- *
-HULL2C2
- *
-CRTFORM LINE 1
"-----"
" |                SYS TYPE/SUBTYPE SELECTION (WTSYS SEGMENT)                |"
"-----"
" | <77 | "
" | TYPE                <16 < &WT_TYP    <77 | "
" | SUBTYPE            <16 < &WT_STYP    <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
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" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
" | <77 | "
"-----"
" |                [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT                |"
"-----"
- *
TABLE FILE WGTHANDL
HEADING CENTER
"SPECIFIC WGTHANDL FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
WT_REACH AS 'RCH' OVER WT_CAP AS 'CAP' OVER WT_WEIGHT AS 'WT' OVER
WT_VEL AS 'VEL' OVER WT_MOM AS 'MOM' OVER WT_VOL AS 'VOL' OVER
WT_COST AS 'COST' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
END
- *
-GOTO P2C
- *
-HULL2C3
- *
-CRTFORM LINE 1

```

```

"-----"
"      SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (WTSYS SEGMENT)
"-----"
"  <77 | "
"  TYPE          <16 < &WT_TYP   <77 | "
"  SUBTYPE       <16 < &WT_STYP  <77 | "
"  <77 | "
"  MFR           <16 < &MFR_ID    <77 | "
"  MFR NO        <16 < &MFR_NO    <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"-----"
"      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
"-----"
*
TABLE FILE WGTHANDL
HEADING CENTER
"SPECIFIC WGTHANDL FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT WT_TYP AS 'TYPE' OVER WT_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
WT_REACH AS 'RCH' OVER WT_CAP AS 'CAP' OVER WT_WEIGHT AS 'WT' OVER
WT_VEL AS 'VEL' OVER WT_MOM AS 'MOM' OVER WT_VOL AS 'VOL' OVER
WT_COST AS 'COST' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS ' ' OVER SPEC_COM3 AS ' '
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
*
-P2C
*
-RUN
-GOTO HULL2C
*
-AMV2
*
-CRTFORM LINE 1
"-----"
"      PARTIAL OR FULL REPORT SELECTION OPTIONS
"-----"
"  <77 | "
"          [1] ALL AMV REFS IN WGTHANDL FILE          <77 | "
"          [2] REFS ASSOCIATED WITH SPECIFIC          <77 | "
"              SYS TYPE/SUBTYPE                      <77 | "
"          [3] RETURN TO MENU                        <77 | "
"  <77 | "
"          OPTION <&OPTION <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"  <77 | "
"-----"

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- *
-IF &OPTION EQ 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2
- *
-AMV2A2
- *
-CRTFORM LINE 1
- "
- " | SYS TYPE AND SUBTYPE SELECTION (WTSYS SEGMENT) | "
- "
- " | <77 | "
- " | TYPE <16 < &WT_TYP <77 | "
- " | SUBTYPE <16 < &WT_STYP <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- *
TABLE FILE WGTHANDL
HEADING CENTER
"WGTHANDL FILE SPECIFIC AMV DATABASE REFERENCES"
" "
PRINT WT_TYP AS 'TYPE' WT_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
END
- *
-GOTO PAMV
- *
-AMV2A1
- *
TABLE FILE WGTHANDL
HEADING CENTER
"ALL WGTHANDL FILE AMV REFERENCES"
" "
PRINT WT_TYP AS 'TYPE' WT_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
BY WT_TYP NOPRINT
BY WT_STYP NOPRINT
END
- *
-PAMV
- *
-RUN
-GOTO AMV2
- *
-LIT2
- *

```

```

-CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL LIT REFS IN WGTHANDL FILE | <77 | "
- " | [2] REFS ASSOCIATED WITH SPECIFIC | <77 | "
- " | SYS TYPE/SUBTYPE | <77 | "
- " | [3] RETURN TO MENU | <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
-IF &OPTION EQ 2 GOTO LIT2A2;
-IF &OPTION EQ 1 GOTO LIT2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO LIT2
- *
-LIT2A2
- *
-CRTFORM LINE 1
- "-----"
- " | SYS TYPE AND SUBTYPE SELECTION (MAIN SEGMENT) | "
- "-----"
- " | <77 | "
- " | TYPE | <16 < &WT_TYP | <77 | "
- " | SUBTYPE | <16 < &WT_STYP | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
TABLE FILE WGTHANDL
HEADING CENTER
"WGTHANDL FILE SPECIFIC LITERATURE REFERENCES"
" "
PRINT WT_TYP AS 'TYPE' WT_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
IF WT_TYP IS &WT_TYP
IF WT_STYP IS &WT_STYP
END
- *
-GOTO PLIT
- *

```

```

-LIT2A1
- *
TABLE FILE WGT HANDL
HEADING CENTER
"ALL WGT HANDL FILE LITERATURE REFERENCES"
" "
PRINT WT TYP AS 'TYPE' WT_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
BY WT TYP NOPRINT
BY WT_STYP NOPRINT
END
- *
-PLIT
- *
-RUN
-GOTO LIT2
- *
-THREE
- *
OFFLINE CLOSE
ONLINE
EX OEB300
END
- *
-RUN
-GOTO TOP

```


[BLANK]

```

- *-----*
- *               VESSAUTO FILE REPORTING SYSTEM - OEB350               *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH          *
- *DESIGNED BY    : M. J. STEVENS (VTC)                                *
- *DATE LAST REV  : 5/05/87                                           *
- *-----*
- *
- *TOP
- *DEFAULTS &OPTION=0, &VS TYP=$$$$$$, &VS_STYP=$$$$, &MFR_ID=$$$
- *DEFAULTS &MFR NO=$$$$$$
- *CRTFORM LINE 1
- *-----*
- *               VESSAUTO FILE REPORTING SYSTEM - OEB350               *
- *-----*
- *
- *               REPORTING SYSTEM OPTIONS
- *
- *               [1] OUTPUT OPTIONS
- *               [2] REPORT OPTIONS
- *               [3] EXIT PROGRAM
- *
- *               OPTION --> <&OPTION
- *
- *               <77 | "
- *               <77 | "
- *               <77 | "
- *-----*
- *               [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *GOTO TOP
- *
- *ONE
- *
- *CRTFORM LINE 1
- *-----*
- *               REPORT OUTPUT OPTIONS MENU
- *-----*
- *
- *               OPTIONS LIST
- *
- *               [1] DIRECT OUTPUT TO CRT
- *               [2] DIRECT OUTPUT TO PRT
- *               [3] REPORT DIRECTORY
- *
- *               OPTION --> <&OPTION
- *
- *               <77 | "
- *               <77 | "
- *-----*
- *               [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO MAIN1;

```

[1] MAIN SEGMENT REPORT
[2] SYS SEGMENT REPORTS


```

- *
-HULL2A
- *
-CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL SYSTEMS IN VESSAUTO FILE <77 | "
- " | [2] SYSTEMS ASSOCIATED WITH SPECIFIC <77 | "
- " | AUTOMATION TYPE/SUBTYPE <77 | "
- " | [3] RETURN TO MENU <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
-IF &OPTION EQ 2 GOTO HULL2A2;
-IF &OPTION EQ 1 GOTO HULL2A1;
-IF &OPTION EQ 3 GOTO HULL2;
-GOTO HULL2A
- *
-HULL2A2
- *
-CRTFORM LINE 1
- "-----"
- " | SYS TYPE AND SUBTYPE SELECTION (VASYS SEGMENT) | "
- "-----"
- " | <77 | "
- " | TYPE <16 < &VS_TYP <77 | "
- " | SUBTYPE <16 < &VS_STYP <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
TABLE FILE VESSAUTO
HEADING CENTER
"VESSAUTO FILE SPECIFIC SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS"
" "
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT

```

```

IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END
- *
- GOTO P2A
- *
- HULL2A1
- *
TABLE FILE VESSAUTO
HEADING CENTER
"ALL VESSAUTO FILE SYSTEMS/DESIGN NUMBERS AND GENERAL COMMENTS
" "
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
MFR_COM1 AS 'COMM' OVER MFR_COM2 AS ' ' OVER MFR_COM3 AS ' '
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
- *
- P2A
- *
- RUN
- GOTO HULL2A
- *
- HULL2B
- *
- CRTFORM LINE 1
- "-----"
- " | PARTIAL OR FULL REPORT SELECTION OPTIONS | "
- "-----"
- " | <77 | "
- " | [1] ALL DESCRIPTIONS IN VESSAUTO FILE <77 | "
- " | [2] DESCRIPTION ASSOCIATED WITH SPECIFIC <77 | "
- " | SYS TYPE/SUBTYPE <77 | "
- " | [3] DESCRIPTION ASSOCIATED WITH SPECIFIC <77 | "
- " | SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " | [4] RETURN TO MENU <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
- IF &OPTION EQ 1 GOTO HULL2B1;
- IF &OPTION EQ 2 GOTO HULL2B2;
- IF &OPTION EQ 3 GOTO HULL2B3;
- IF &OPTION EQ 4 GOTO HULL2;
- GOTO HULL2B
- *
- HULL2B1
- *
TABLE FILE VESSAUTO
HEADING CENTER
"VESSAUTO FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER

```

```

MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_FN AS 'VAFN' OVER VA_IN1 AS 'IN1' OVER VA_IN2 AS 'IN2' OVER
VA_IN3 AS 'IN3' OVER VA_OUT1 AS 'OUT1' OVER VA_OUT2 AS 'OUT2' OVER
VA_OUT3 AS 'OUT3'
OVER VA_COM1 AS 'COMM' OVER VA_COM2 AS '' OVER VA_COM3 AS ''
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END

```

```

- *
-GOTO P2B
- *

```

```

-HULL2B2
- *

```

```

-CRTFORM LINE 1
- "

```

```

- " | SYS TYPE/SUBTYPE SELECTION (VASYS SEGMENT) | "
- "

```

```

- " | <77 | "
- " | TYPE <16 < &VS_TYP <77 | "
- " | SUBTYPE <16 < &VS_STYP <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "

```

```

- *
TABLE FILE VESSAUTO
HEADING CENTER
"SPECIFIC VESSAUTO FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "

```

```

PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_FN AS 'VAFN' OVER VA_IN1 AS 'IN1' OVER VA_IN2 AS 'IN2' OVER
VA_IN3 AS 'IN3' OVER VA_OUT1 AS 'OUT1' OVER VA_OUT2 AS 'OUT2' OVER
VA_OUT3 AS 'OUT3'
OVER VA_COM1 AS 'COMM' OVER VA_COM2 AS '' OVER VA_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END

```

```

- *
-GOTO P2B
- *

```

```

-HULL2B3
- *

```

```

-CRTFORM LINE 1
- "

```

```

- " | SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (VASYS SEGMENT) | "
- "

```

```

- " | <77 | "
- " | TYPE <16 < &VS_TYP <77 | "

```

```

- " SUBTYPE <16 < &VS_STYP <77 "
- " <77 | "
- " MFR <16 < &MFR_ID <77 | "
- " MFR NO <16 < &MFR_NO <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- "

```

```

- *
TABLE FILE VESSAUTO
HEADING CENTER
"SPECIFIC VESSAUTO FILE SYSTEM DESCRIPTIONS AND GENERAL COMMENTS"
" "
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_FN AS 'VAFN' OVER VA_IN1 AS 'IN1' OVER VA_IN2 AS 'IN2' OVER
VA_IN3 AS 'IN3' OVER VA_OUT1 AS 'OUT1' OVER VA_OUT2 AS 'OUT2' OVER
VA_OUT3 AS 'OUT3'
OVER VA_COM1 AS 'COMM' OVER VA_COM2 AS ' ' OVER VA_COM3 AS ' '
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END

```

```

- *
-P2B
- *
-RUN
-GOTO HULL2B
- *
-HULL2C
- *
-CRTFORM LINE 1

```

```

- " PARTIAL OR FULL REPORT SELECTION OPTIONS "
- "

```

```

- " <77 | "
- " [1] ALL SPECIFICATIONS IN VESSAUTO FILE <77 | "
- " [2] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE <77 | "
- " [3] SPECIFICATIONS ASSOCIATED WITH SPECIFIC <77 | "
- " SYS TYPE/SUBTYPE AND MFR/MFR NO <77 | "
- " [4] RETURN TO MENU <77 | "

```

```

- " <77 | "
- " OPTION <&OPTION <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- "

```

```

- *
-IF &OPTION EQ 1 GOTO HULL2C1;
-IF &OPTION EQ 2 GOTO HULL2C2;

```



```

-IF &OPTION EQ 3 GOTO HULL2C3;
-IF &OPTION EQ 4 GOTO HULL2;
-GOTO HULL2C
-*
```

```

-HULL2C1
```

```

-*
```

```

TABLE FILE VESSAUTO
HEADING CENTER
```

```

"VESSAUTO FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
```

```

" "
```

```

PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_COST AS 'COST' OVER VA_EFF_RAT AS 'ERAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
END
```

```

-*
```

```

-GOTO P2C
```

```

-*
```

```

-HULL2C2
```

```

-*
```

```

-CRTFORM LINE 1
```

```

-"
```

```

- " |-----"
- " | SYS TYPE/SUBTYPE SELECTION (VASYS SEGMENT) | "
```

```

- " |-----"
- " |
```

```

- " | <77 | "
```

```

- " | TYPE <16 < &VS_TYP <77 | "
```

```

- " | SUBTYPE <16 < &VS_STYP <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " | <77 | "
```

```

- " |-----"
- " |
```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
```

```

- " |-----"
- " |
```

```

-*
```

```

TABLE FILE VESSAUTO
HEADING CENTER
```

```

"SPECIFIC VESSAUTO FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
```

```

" "
```

```

PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_COST AS 'COST' OVER VA_EFF_RAT AS 'ERAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
BY MFR_ID NOPRINT
BY MFR_NO NOPRINT
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END
```

```

-*
```

```

-GOTO P2C
```

```

-*
```

```

-HULL2C3
```

```

- *
-CRTFORM LINE 1
- "
- "-----"
- " |          SYS TYPE/SUBTYPE AND MFR/MFR NO SELECTION (VASYS SEGMENT)
- "-----"
- " | <77 | "
- " | TYPE          <16 < &VS_TYP   <77 | "
- " | SUBTYPE       <16 < &VS_STYP  <77 | "
- " | <77 | "
- " | MFR           <16 < &MFR_ID    <77 | "
- " | MFR NO        <16 < &MFR_NO    <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " |          [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- "-----"
- *
TABLE FILE VESSAUTO
HEADING CENTER
"SPECIFIC VESSAUTO FILE SYSTEM SPECIFICATIONS AND GENERAL COMMENTS"
" "
PRINT VS_TYP AS 'TYPE' OVER VS_STYP AS 'STYP' OVER
MFR_ID AS 'MFR' OVER MFR_NO AS 'NUM' SKIP-LINE OVER
VA_COST AS 'COST' OVER VA_EFF_RAT AS 'ERAT' OVER
SPEC_COM1 AS 'COMM' OVER SPEC_COM2 AS '' OVER SPEC_COM3 AS ''
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
IF MFR_ID IS &MFR_ID
IF MFR_NO IS &MFR_NO
END
- *
-P2C
- *
-RUN
-GOTO HULL2C
- *
-AMV2
- *
-CRTFORM LINE 1
- "
- "-----"
- " |          PARTIAL OR FULL REPORT SELECTION OPTIONS
- "-----"
- " | <77 | "
- " | [1] ALL AMV REFS IN VESSAUTO FILE          <77 | "
- " | [2] REFS ASSOCIATED WITH SPECIFIC          <77 | "
- " |     SYS TYPE/SUBTYPE                        <77 | "
- " | [3] RETURN TO MENU                          <77 | "
- " | <77 | "
- " | OPTION <&OPTION <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"

```

```

- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *
-IF &OPTION EO 2 GOTO AMV2A2;
-IF &OPTION EQ 1 GOTO AMV2A1;
-IF &OPTION EQ 3 GOTO TWO;
-GOTO AMV2
- *
-AMV2A2
- *
-CRTFORM LINE 1
- "
- " SYS TYPE AND SUBTYPE SELECTION (VASYS SEGMENT)
- "
- " <77 | "
- " TYPE <16 < &VS_TYP <77 | "
- " SUBTYPE <16 < &VS_STYP <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- "
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- "
- *
TABLE FILE VESSAUTO
HEADING CENTER
"VESSAUTO FILE SPECIFIC AMV DATABASE REFERENCES"
" "
PRINT VS_TYP AS 'TYPE' VS_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
IF VS_TYP IS &VS_TYP
IF VS_STYP IS &VS_STYP
END
- *
-GOTO PAMV
- *
-AMV2A1
- *
TABLE FILE VESSAUTO
HEADING CENTER
"ALL VESSAUTO FILE AMV REFERENCES"
" "
PRINT VS_TYP AS 'TYPE' VS_STYP AS 'STYP'
SHIP_ID AS 'SHIP' SHIP_NAME AS 'SHIP NAME' SHIP_FLAG AS 'FLAG'
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
END
- *
-PAMV
- *
-RUN
-GOTO AMV2
- *
-LIT2
- *

```

```

-CRTFORM LINE 1
-
-
- PARTIAL OR FULL REPORT SELECTION OPTIONS
-
- <77 | "
- [1] ALL LIT REFS IN VESSAUTO FILE <77 | "
- [2] REFS ASSOCIATED WITH SPECIFIC <77 | "
- SYS TYPE/SUBTYPE <77 | "
- [3] RETURN TO MENU <77 | "
- <77 | "
- OPTION <&OPTION <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
-
- [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
-
-
- IF &OPTION EQ 2 GOTO LIT2A2;
- IF &OPTION EQ 1 GOTO LIT2A1;
- IF &OPTION EQ 3 GOTO TWO;
- GOTO LIT2
-
- LIT2A2
-
- CRTFORM LINE 1
-
- SYS TYPE AND SUBTYPE SELECTION (MAIN SEGMENT)
-
- <77 | "
- TYPE <16 < &VS_TYP <77 | "
- SUBTYPE <16 < &VS_STYP <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
- <77 | "
-
- [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
-
-
- TABLE FILE VESSAUTO
- HEADING CENTER
- "VESSAUTO FILE SPECIFIC LITERATURE REFERENCES"
- "
- PRINT VS_TYP AS 'TYPE' VS_STYP AS 'STYP'
- REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
- IF VS_TYP IS &VS_TYP
- IF VS_STYP IS &VS_STYP
- END
-
- GOTO FLIT
-

```

```

-LIT2A1
- *
TABLE FILE VESSAUTO
HEADING CENTER
"ALL VESSAUTO FILE LITERATURE REFERENCES"
" "
PRINT VS_TYP AS 'TYPE' VS_STYP AS 'STYP'
REF_NUM AS 'REF' REF_DESC AS 'DESCRIPTION'
BY VS_TYP NOPRINT
BY VS_STYP NOPRINT
END
- *
-PLIT
- *
-RUN
-GOTO LIT2
- *
-THREE
- *
OFFLINE CLOSE
ONLINE
EX OEB300
END
- *
-RUN
-GOTO TOP

```

[BLANK]

```

- *-----*
- *               MFRREF FILE REPORTING SYSTEM - OEB360               *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH        *
- *DESIGNED BY    : M. J. STEVENS (VTC)                               *
- *DATE LAST REV  : 5/05/87                                           *
- *-----*
- *
- TOP
- DEFAULTS &OPTION=0, &MFR_ID=$$$
- *
- CRTFORM LINE 1
- |-----|
- |               MFRREF FILE REPORTING SYSTEM - OEB360               |
- |-----|
- |
- |               REPORTING SYSTEM OPTIONS                             |
- |               [1] OUTPUT OPTIONS                                   |
- |               [2] REPORT OPTIONS                                   |
- |               [3] EXIT PROGRAM                                    |
- |
- |               OPTION --> <&OPTION                                  |
- |
- | <77 | "
- | <77 | "
- | <77 | "
- |-----|
- |               [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT   |
- |-----|
- *
- IF &OPTION EQ 1 GOTO ONE;
- IF &OPTION EQ 2 GOTO TWO;
- IF &OPTION EQ 3 GOTO THREE;
- GOTO TOP
- *
- ONE
- *
- CRTFORM LINE 1
- |-----|
- |               REPORT OUTPUT OPTIONS MENU                             |
- |-----|
- |
- |               OPTIONS LIST                                         |
- |               [1] DIRECT OUTPUT TO CRT                             |
- |               [2] DIRECT OUTPUT TO PRT                             |
- |               [3] REPORT DIRECTORY                                 |
- |
- |               OPTION --> <&OPTION                                  |
- |
- | <77 | "
- | <77 | "
- |-----|
- |               [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT   |
- |-----|
- *
- IF &OPTION EQ 1 GOTO MAIN1;

```

```

-IF &OPTION EQ 2 GOTO HULL1;
-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE

```

```

-★
-MAIN1
-★
  OFFLINE CLOSE
  ONLINE
  END

```

```

-★
-CRTFORM LINE 1

```

```

- " "
- " "
- " "
- " "
- " "

```

```

-----"
| ALL REPORTS WILL OUTPUT TO SCREEN |"
-----"

```

```

- " "
- " "
- " "
- " "
- " "

```

```

PRESS RETURN TO CONTINUE <&OPTION "

```

```

-★
-RUN
-GOTO ONE
-★
-HULL1
-★

```

```

  OFFLINE
  END

```

```

-★
-CRTFORM LINE 1

```

```

- " "
- " "
- " "
- " "
- " "

```

```

-----"
| ALL REPORTS WILL OUTPUT TO PRINTER |"
-----"

```

```

- " "
- " "
- " "
- " "
- " "

```

```

PRESS RETURN TO CONTINUE <&OPTION "

```

```

-★
-RUN
-GOTO ONE
-★

```

```

-*****
-TWO
-*****

```

```

-★
-CRTFORM LINE 1

```

```

- "
- "
- "
- "
- "
- "
- "
- "

```

```

-----"
| MFRREF FILE REPORT OPTIONS - OEB360 |"
-----"

```

```

OPTIONS LIST

```

```

[1] ALL MANUFACTURERS BY ID
[2] ALL MANUFACTURERS BY NAME

```



```

- " [3] SPECIFIC MANUFACTURER "
- " [4] REPORT DIRECTORY "
- " <77 | " "
- " " "
- " OPTION --> <&OPTION "
- " " "
- " <77 | " "
- " <77 | " "
- " ----- "
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT "
- " ----- "
- *
-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO TOP;
-GOTO TWO
- *
-MAIN2
- *
TABLE FILE MFRREF
HEADING CENTER
"MFRREF FILE MASTER LISTING"
" "
PRINT MFR_ID AS 'ID' SKIP-LINE OVER MFR NAME AS 'NAME' OVER MFR_ADD1 AS 'ADD1'
OVER MFR_ADD2 AS 'ADD2' OVER MFR_ADD3 AS 'ADD3' OVER MFR_PHONE
AS 'PHNE' OVER MFR_REP AS 'REP'
BY MFR_ID NOPRINT
END
- *
-RUN
-GOTO TWO
- *
-HULL2
- *
TABLE FILE MFRREF
HEADING CENTER
"MFRREF FILE MASTER LISTING"
" "
PRINT MFR_ID AS 'ID' OVER MFR NAME AS 'NAME' OVER MFR_ADD1 AS 'ADD1'
OVER MFR_ADD2 AS 'ADD2' OVER MFR_ADD3 AS 'ADD3' OVER MFR_PHONE
AS 'PHNE' OVER MFR_REP AS 'REP'
BY MFR_NAME NOPRINT
END
- *
-RUN
-GOTO TWO
- *
-AMV2
- *
-CRTFORM LINE 1
- " ----- "
- " MFR SELECTION "
- " ----- "
- " <77 | "
- " MFR <16 < &MFR_ID <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "
- " <77 | "

```

```

- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "

```

```

- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- " |-----| "
- *

```

```

TABLE FILE MFRREF
HEADING CENTER
"MFRREF FILE MASTER LISTING"
" "

```

```

PRINT MFR_ID AS 'ID' OVER MFR_NAME AS 'NAME' OVER MFR_ADD1 AS 'ADD1'
OVER MFR_ADD2 AS 'ADD2' OVER MFR_ADD3 AS 'ADD3' OVER MFR_PHONE
AS 'PHNE' OVER MFR_REP AS 'REP'
IF MFR_ID IS &MFR_ID
END

```

```

- *
-RUN
-GOTO TWO
- *
-THREE
- *
OFFLINE CLOSE
ONLINE
EX OEB300
END
- *
-RUN
-GOTO TOP

```

```

- *-----*
- *                      OEBREF FILE REPORTING SYSTEM - OEB370                      *
- *-----*
- *DESIGNED FOR   : USCG R&D CENTER, OCEAN ENGINEERING BRANCH
- *DESIGNED BY    : M. J. STEVENS (VTC)
- *DATE LAST REV  : 5/05/87
- *-----*
- *
- *TOP
- *DEFAULTS &OPTION=0, &KEY_WORD=$$$$$$$$$$, &REF_NUM=$$$$$$
- *CRTFORM LINE 1
- *-----*
- *                      OEBREF FILE REPORTING SYSTEM - OEB370                      *
- *-----*
- *
- *                      REPORTING SYSTEM OPTIONS
- *
- *                      [1] OUTPUT OPTIONS
- *                      [2] REPORT OPTIONS
- *                      [3] EXIT PROGRAM
- *
- *
- *                      OPTION --> <&OPTION
- *
- *      <77 | "
- *      <77 | "
- *      <77 | "
- *-----*
- *                      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO ONE;
- *IF &OPTION EQ 2 GOTO TWO;
- *IF &OPTION EQ 3 GOTO THREE;
- *GOTO TOP
- *
- *ONE
- *
- *CRTFORM LINE 1
- *-----*
- *                      REPORT OUTPUT OPTIONS MENU
- *-----*
- *
- *                      OPTIONS LIST
- *
- *                      [1] DIRECT OUTPUT TO CRT
- *                      [2] DIRECT OUTPUT TO PRT
- *                      [3] REPORT DIRECTORY
- *
- *
- *                      OPTION --> <&OPTION
- *
- *      <77 | "
- *      <77 | "
- *-----*
- *                      [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- *-----*
- *
- *IF &OPTION EQ 1 GOTO MAIN1;
- *IF &OPTION EQ 2 GOTO HULL1;

```

```

-IF &OPTION EQ 3 GOTO TOP;
-GOTO ONE
-*
```

```

-MAIN1
-*
```

```

OFFLINE CLOSE
ONLINE
END
-*
```

```

-CRTFORM LINE 1
```

```

-""
-""
-""
-""
-""
```

```

-----"
| ALL REPORTS WILL OUTPUT TO SCREEN |"
-----"
```

```

-""
-""
-""
-""
-""
```

```

PRESS RETURN TO CONTINUE <&OPTION "
```

```

-RUN
-GOTO ONE
-*
```

```

-HULL1
-*
```

```

OFFLINE
END
-*
```

```

-CRTFORM LINE 1
```

```

-""
-""
-""
-""
-""
```

```

-----"
| ALL REPORTS WILL OUTPUT TO PRINTER |"
-----"
```

```

-""
-""
-""
-""
-""
```

```

PRESS RETURN TO CONTINUE <&OPTION "
```

```

-RUN
-GOTO ONE
-*
```

```

-TWO
```

```

-*
```

```

-CRTFORM LINE 1
```

```

-""
-""
-""
-""
-""
```

```

-----"
| WGTHANDL FILE REPORT OPTIONS - OEB350 |"
-----"
```

```

-""
-""
-""
-""
-""
-""
-""
```

OPTIONS LIST

- [1] REFS BY REF NUMBER
- [2] REFS BY REF TITLE
- [3] REFS BY AUTHOR(S)

```

- " [4] REFS BY KEYWORD
- " [5] SPECIFIC REF ABSTRACT
- " [6] REPORT DIRECTORY
- "
- " OPTION --> <&OPTION
- "
- " <77 |"
- "-----
- " [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT
- "-----
- *
-IF &OPTION EQ 1 GOTO MAIN2;
-IF &OPTION EQ 2 GOTO HULL2;
-IF &OPTION EQ 3 GOTO AMV2;
-IF &OPTION EQ 4 GOTO LIT2;
-IF &OPTION EQ 5 GOTO ABS2;
-IF &OPTION EQ 6 GOTO TOP;
-GOTO TWO
- *
-MAIN2
- *
TABLE FILE OEBREF
HEADING CENTER
"OEBREF FILE LISTING BY REFERENCE NUMBERS"
" "
PRINT REF_NUM AS 'NUMBER' SKIP-LINE OVER REF_TITLE AS 'TITLE' OVER
REF_SOURCE AS 'SOURCE' OVER REF_REP_NO AS 'REP NO' OVER REF_JN_VOL AS
'JN_VOL' OVER REF_PUB_DT AS 'PUB DT'
BY REF_NUM NOPRINT
END
- *
-RUN
-GOTO TWO
- *
-HULL2
- *
TABLE FILE OEBREF
HEADING CENTER
"OEBREF FILE LISTING BY TITLES"
" "
PRINT REF_NUM AS 'NUMBER' SKIP-LINE OVER REF_TITLE AS 'TITLE' OVER
REF_SOURCE AS 'SOURCE' OVER REF_REP_NO AS 'REP NO' OVER REF_JN_VOL AS
'JN_VOL' OVER REF_PUB_DT AS 'PUB DT'
BY REF_TITLE NOPRINT
END
- *
-RUN
-GOTO TWO
- *
-AMV2
- *
TABLE FILE OEBREF
HEADING CENTER
"OEBREF FILE LISTING BY AUTHORS"
" "
PRINT REF_NUM AS 'NUMBER' SKIP-LINE OVER REF_TITLE AS 'TITLE' OVER
REF_SOURCE AS 'SOURCE' OVER REF_REP_NO AS 'REP NO' OVER REF_JN_VOL AS
'JN_VOL' OVER REF_PUB_DT AS 'PUB DT' OVER AUTH_LN AS 'L NAME' OVER
AUTH_FN AS 'F NAME' OVER AUTH_MI AS 'M INIT'
BY AUTH_LN NOPRINT
BY AUTH_FN NOPRINT
BY AUTH_MI NOPRINT
END

```

```

- *
-RUN
-GOTO TWO
- *
-LIT2
- *
-CRTFORM LINE 1
- "-----"
- " | KEYWORD SELECTION FOR REFERENCE DISPLAY | "
- "-----"
- " | <77 | "
- " | KEYWORD <16 < &KEY_WORD <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"
- *
TABLE FILE OEBREF
HEADING CENTER
"OEBREF FILE REFERENCES BY KEYWORD"
" "
PRINT KEY WORD AS 'KEYWORD' SKIP-LINE OVER REF_TITLE AS 'TITLE' OVER
REF_NUM AS 'REF_NUM'
BY REF_NUM NOPRINT
IF KEY_WORD IS &KEY_WORD
END
- *
-RUN
-GOTO TWO
- *
-ABS2
- *
-CRTFORM LINE 1
- "-----"
- " | REFERENCE SELECTION FOR ABSTRACT DISPLAY | "
- "-----"
- " | <77 | "
- " | REF NUMBER <16 < &REF_NUM <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- " | <77 | "
- "-----"
- " | [TAB] NEXT FIELD, [RETURN] TAKE ACTION, [PF3] QUIT | "
- "-----"

```

```

- "-----
- *
TABLE FILE OEBREF
HEADING
"OEBREF FILE REFERENCE <REF_NUM> ABSTRACT"
"TITLE : <REF_TITLE> "
" "
- *PRINT REF_NUM AS 'REF NUM' OVER REF_TITLE AS 'TITLE' OVER
PRINT ABS TEXT AS 'ABSTRACT'
IF REF_NUM IS &REF_NUM
END
- *
- RUN
- GOTO TWO
- *
- THREE
- *
OFFLINE CLOSE
ONLINE
EX OEB300
END
- *
- RUN
- GOTO TOP

```

[BLANK]

APPENDIX C
AMV SYSTEM DOCUMENTATION

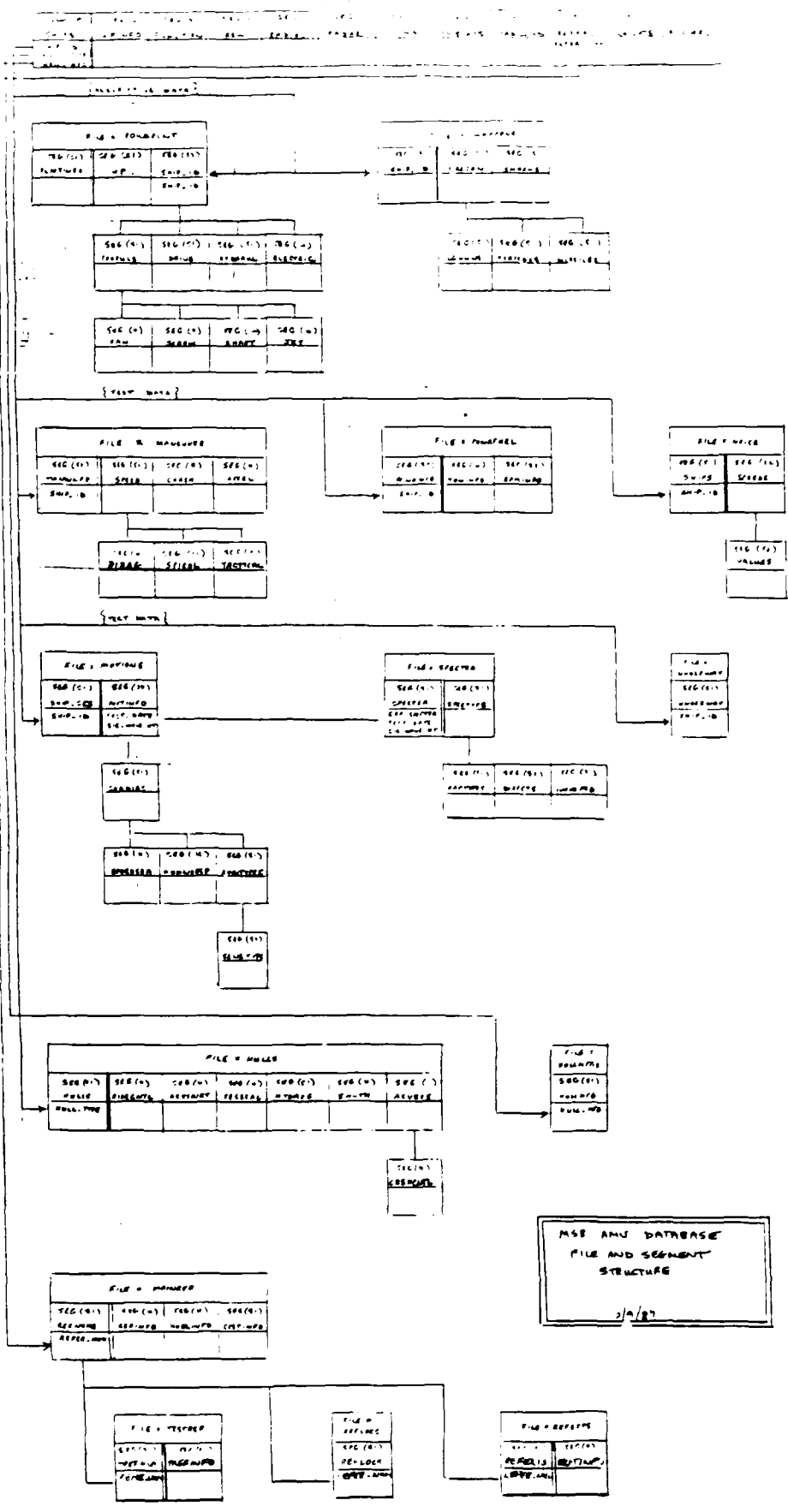
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1.0 Introduction

The Marine Systems Branch of the U.S. Coast Guard Research & Development Center is in the process of developing a SHIPS database as part of the Advanced Marine Vehicles project. The design for the database has essentially been completed and efforts are underway to award a contract for the development and implementation of the application in the near future.

This appendix provides available documentation on the design to date provided by the Marine Systems branch. Following a "schematic" of the system are the AMVDB file structure diagrams and Master File Descriptions.



FILE SHIPS ON 04/09/87 AT 14.42.21

SHIPS

01 S1
 *SHIP ID **1
 *SHIP NAME **
 *SHIP NUM **
 *HOME CITY **
 *
 *

SHIPINFO		HELO		FUNCTION		CREW		RADIO		RADAR		BOOMS	
02	I U	03	I U	04	I S1	05	I S1	06	I S1	07	I S1	08	I S1
*SHIP_CLASS		*HELO_NUM		*FUNCTION		*CREW_CODE		*RADIO_CODE		*RADAR_FUN		*BOOM_ID_NUM	
*SH_SUB_CLASS		*HELO_DECK_WT		*FUNCTION%		*CREW_NUM		*RADIO_NUM		*RADAR_MANU		*BOOM_TYPE	
*LENGTH_OA		*HELO_FUEL						*RADIO_FUNC		*RADAR_ID		*BOOM_REACH	
*LENGTH_BP		*HANGER						*SECURE_COM		*RADAR_NUM		*BOOM_CAP	

[illegible]

```

=====
1 LAST UPDATE 3-26-87      5 H I P S
=====
1
1 SHIP DATA BASE      MASTER FILE
1
1 THIS IS THE MASTER FILE DESCRIPTION FOR THE FILE THAT CONTAINS THE
1 SHIP-RELATED INFORMATION. THIS FILE WILL BE COMMONLY USED AS THE
1 ENTRY POINT (HOST FILE) FOR CROSS-REFERENCING TO THE VARIOUS OTHER
1 FILES.
1
1 =====
1
1 FILE=SHIPS, SUFFIX=FOC
1 SEGNAME=SHIPS, SEGTYPE=S1
1 FIELD=SHIP_ID, SHIPID, A5, INDEX=I, $ ASSIGNED SHIP ID NUMBER
1 FIELD=SHIP_NAME, NAME, A25, $ VESSEL NAME
1 FIELD=SHIP_NUM, NUM, A10, $ SHIP NUMBER OR LETTERS
1 FIELD=HOME_CITY, CITY, A20, $ HOME PORT, CITY
1 FIELD=HOME_STATE, STATE, A10, $ HOME PORT, STATE
1 FIELD=HOME_COUNTRY, COUNTRY, A20, $ HOME PORT, COUNTRY
1 FIELD=HULL_TYPE, HULLTYPE, A3, $ HULL TYPE USE CODES PROVIDED
1 FIELD=HULL_MFG, HULLMFG, A25, $ HULL MANUFACTURER COMPANY NAME CAN BE USED TO JOIN TO HULLMFGS FILE
1 FIELD=COM_DATE, COMDATE, A6YMD, $ COMMISSIONING DATE (YYMMDD)
1
1 SEGNAME=SHIPINFO, PARENT=SHIPS, SEGTYPE=U
1 $ SHIP INFORMATION WHICH APPLIES TO ALL HULL TYPES
1 FIELD=SHIP_CLASS, SCLASS, A12, $ VESSEL CLASS USE CODES (EG. WPB)
1 FIELD=SW_SUB_CLASS, SCLASS, A12, $ VESSEL SUB CLASS USE CODES (EG. POINT)
1 FIELD=LENGTH_OA, LOA, F6.1, $ OVERALL LENGTH (FEET)
1 FIELD=LENGTH_BP, LBP, F6.1, $ LENGTH BETWEEN PERPENDICULARS (FEET)
1 FIELD=LENGTH_WL, LWL, F6.1, $ LENGTH AT WATERLINE FULL DISPLACEMENT (FEET)
1 FIELD=MAX_BEAM, BEAM, F4.1, $ MOLDED AT DECK (FEET)
1 FIELD=DEPTH, F4.1, $ MOLDED TO MAIN DECK, DEPTH AMIDSHIPS (FT)
1 FIELD=MIN_FREE_BD, MINFBD, F4.1, $ MINIMUM FREEBOARD (FEET)
1 FIELD=MIN_FBD_LOC, MINFBDLOC, A25, $ MINIMUM FREEBOARD LOCATION DESCRIPTION (EG. TRANSOM
1 FIELD=HULL_DRAFT, H_DRAFT, F3.1, $ HULL DRAFT DIN FULL DISPLACEMENT LOWEST TANGENT TO MAIN HULL TO DWL (FEET)
1 FIELD=NAV_DRAFT, N_DRAFT, F3.1, $ NAVIGATIONAL DRAFT WITH FIXED APPENDAGES (FEET)
1 FIELD=UNDWY_DRAFT, U_DRAFT, F3.1, $ UN DRAFT ON CUSHION OR FOILS IF APPL.
1 FIELD=BR_EYE_HT, BHOE, I2, $ BRIDGE HEIGHT OF EYE NORMAL ABOVE WATERLINE (FEET)
1 FIELD=LK_EYE_HT, LKHOE, I3, $ LOOKOUT HEIGHT OF EYE ABOVE WATERLINE (FEET)
1 FIELD=MAX_HEIGHT, MAX_AHH, F3, $ MAXIMUM ABOVE WATER HEIGHT OF STRUCTURE (FEET)
1 FIELD=SPRINT_SPEED, SPRSPEED, F3.1, $ SPRINT SPEED (KNOTS)
1 FIELD=SPRINT_DURA, SPRDURATION, F5.2, $ MAX SPRINT DURATION (HOURS)
1 FIELD=MAX_SPEED, MSS, F3.1, $ MAX SUSTAINED SPEED (KTS) [ELT INTERSEPT]
1 FIELD=RMG_MAX_SPD, R_MSS, I5, $ RANGE AT MAX SUSTAINED SPEED (NM)
1 FIELD=CRUISE_SPEED, CRUSPEED, F3.1, $ NOMINAL CRUISE SPEED (KTS) [SEARCH SPEED USED IN SAR & ELT MODELS]
1 FIELD=RMG_CRU_SPD, R_CRUS, I5, $ RANGE AT CRUISE SPEED (NM)
1 FIELD=RMG_CRU_SPEED, BES, F3.1, $ BEST ECONOMICAL SPEED (KTA) [TRANSIT SPEED USED IN ELT MODEL]
1 FIELD=BES_NUM_ENG, BESNUMENG, I1, $ NUMBER OF ENGINES USED AT BEST ECONOMICAL SPEED
1 FIELD=RMG_ECON_SPD, R_BES, I5, $ RANGE AT BEST ECONOMICAL SPEED (NM)
1 FIELD=MIN_SPEED, MINSPEED, F3.1, $ MINIMUM CONTINUOUS SPEED (KNOTS)
1 FIELD=RF_TIME_DOCK, RFDOCK, F4.1, $ REFUEL TIME AT DOCK (HOURS) [ELT MODEL]
1 FIELD=RF_TIME_UNW, RFUM, F4.1, $ REFUEL TIME WHEN UNDERWAY (HOURS) [ELT MODEL]
1 FIELD=UNREP, A1, $ UNDERWAY REPLENISHMENT (Y/N)

```

FIELD=B_DECK_STOR,BDECKSTOR, 15, \$ BELOW DECK STORAGE (CUBIC FEET)
 FIELD=FUEL,, 17, \$ TOTAL FUEL CAPACITY 100% (GALLONS)
 FIELD=LUBE_OIL, LUBE, 14, \$ TOTAL LUBE OIL (GAL)
 FIELD=WATER, WATER, 15, \$ TOTAL FRESH WATER CAPACITY (GAL)
 FIELD=WATER_MAKE, WATERMAKE, 14, \$ MAX POTABLE WATER PRODUCTION (GAL/DAY)
 FIELD=HOUSE_WATER,HOUSEWATER, 15, \$ HOUSE MATERIAL
 FIELD=HULL_WATER,HULLWATER, 15, \$ HULL MATERIAL
 FIELD=WT_COMP_NUM, WTCNUM, 11, \$ NUMBER OF WATER TIGHT COMPARTMENT GROUPS
 FIELD=FRAMING_TYPE, FRTYPE, 14, \$ TYPE OF FRAMING (USE CODES LONG OR TRAN)
 FIELD=FR_SPACING,FRSPACING, 14, \$ FRAME SPACING (FEET)
 FIELD=U_DECK_AREA, DECKAREA, 14, \$ USEABLE DECK AREA (FT * 2)
 FIELD=PROVI_DAYS, PROVIDAYS, 13, \$ MAX DAYS PROVISIONS FOR NOMINAL CREW COMP
 FIELD=NOMINAL_CREW_NUM_CREW, 14, \$ NOMINAL CREW COMPLEMENT (CASHMARS MODEL)
 FIELD=WAR_CREW,, 14, \$ WARTIME CREW COMPLEMENT
 FIELD=PASSENG_NUM, PASS_NUM, 14, \$ NOMINAL PASSENGER CAPACITY
 FIELD=MAX_POB, MPOB, 14, \$ MAXIMUM SAFE # PEOPLE ON BOARD
 FIELD=MPOB_REF, MPOBR, 14, \$ REFERENCE FOR MAXIMUM SAFE # PEOPLE ON BOARD (EG. CG PASSENGER REGS, CFR 46)
 \$
 SEGNAME=FUNCTION, PARENT=SHIPS, SEGTYPE=S1
 FIELD=FUNCTION, MISSION, A3, \$ MISSIONS OR APPLICATIONS USE CODES
 FIELD=FUNCTIONS,MISSIONS,F4.2, \$ % OF VESSEL USE IN MISSION AREA
 \$
 SEGNAME=CREW, PARENT=SHIPS, SEGTYPE=S1
 FIELD=CREW_CODE, CREWCODE, A3, \$ CODE IDENTIFYING CREW MEMBER
 FIELD=CREW_NUM, CREWNUM, 13, \$ NUMBER OF CREW MEMBERS WITHIN CODE
 \$
 SEGNAME=HELO, PARENT=SHIPS, SEGTYPE=U
 FIELD=HELO_NUM, HELONUM, 11, \$ MAXIMUM NUMBER OF HELICOPTERS ON DECK
 FIELD=HELO_DECK_WT, HELODKWT, 14, \$ MAXIMUM WEIGHT ON HELO DECK (LBS)
 FIELD=HELO_FUEL, HELOFUEL, 15, \$ MAX HELO FUEL STORAGE ON BOARD 100% (GAL)
 FIELD=HANGER,, 11, \$ HELO HANGER (Y/N)
 FIELD=HANGER_DES,, A25, \$ HANGER DESCRIPTION
 \$
 SEGNAME=RADIOS, PARENT=SHIPS, SEGTYPE=S1
 FIELD=RADIO_CODE, RADIOCODE, A5, \$ CODE FOR THE TYPE OF RADIO
 FIELD=RADIO_NUM, RADIONUM, 11, \$ NUMBER OF RADIOS OF THAT TYPE
 FIELD=RADIO_FUNC, RADIOFUN, A10, \$ FUNCTION OF RADIOS OF THAT TYPE
 FIELD=SECURE_CON, SECURCON, A1, \$ ANY SECURE COMMUNICATIONS OF THAT TYPE RADIO (Y/N)
 \$
 SEGNAME=RADAR, PARENT=SHIPS, SEGTYPE=S1
 FIELD=RADAR_FUN, RADARFUN, A5, \$ CODE FOR FUNCTION OF RADAR
 FIELD=RADAR_MANU, RADARMAN, A20, \$ RADAR MANUFACTURER COMPANY NAME
 FIELD=RADAR_ID, RADARID, A15, \$ RADAR IDENTIFICATION NUMBER
 FIELD=RADAR_NUM, RADARNUM, 11, \$ NUMBER OF RADAR OF THAT TYPE ON BOARD
 FIELD=RADAR_HT, RADARHT, 14, \$ HEIGHT OF RADAR ABOVE WL (FEET)
 FIELD=RADAR_RNG, RADARRNG, 14, \$ RANGE OF RADAR (NM)
 \$
 SEGNAME=BOOMS, PARENT=SHIPS, SEGTYPE=S1
 FIELD=BOOM_ID_NUM, BOOMNUM, A1, \$ CONSECUTIVE BOOM ID NUMBER
 FIELD=BOOM_TYPE, BOOMTYPE, A3, \$ CODE FOR TYPE OF BOOM
 FIELD=BOOM_REACH, BOOMREACH, A4, \$ BOOM MAX REACH (FEET FROM BASE)
 FIELD=BOOM_CAP, BOOMCAP, 15, \$ BOOM CAPACITY (LBS) AT MAX REACH
 FIELD=BOOM_LOC, BOOMLOC, A25, \$ BOOM LOCATION (EG. DECK, DISTANCE FROM AMIDSHIPS AND CENTERLINE)
 FIELD=BOOM_FUNC, BOOMFUN, A25, \$ FUNCTION OF BOOM (EG. SMALL BOAT DEPLOYMENT)


```

3 SEGNAME=SMBOATS, PARENT=SHIPS, SEGTYPE=S1
  FIELD=SM_BOAT_CODE, SB_CODE, A4, $ SMALL BOAT CODE (RMI, INF, MSB, MLB, LAU, UTB, SKF, MCB)
  FIELD=SM_BOAT_NUM, SB_NUM, I1, $ NUMBER OF SMALL BOATS OF THIS TYPE
  FIELD=SM_BOAT_LEN, SB_LEN, F3.2, $ SMALL BOAT LENGTH (FEET)
  FIELD=SM_BOAT_POB, SB_POB, A3, $ MAX CAPACITY OF PEOPLE ON BOARD
  FIELD=SM_BOAT_MSP, SB_MSP, I2, $ MAX SPEED IN CALM WATER (KTS)
  FIELD=SM_BOAT_BES, SB_BES, I2, $ MAX SUSTAINED SPEED (KTS)
  FIELD=SM_BOAT_RNG, SB_RNG, F4.1, $ MAX RANGE AT BEST ECONOMICAL SPEED (NMI)
  FIELD=SB_BOAT_TIME, SB_TIME, A6, $ MIN TIME TO DEPLOY SMALL BOAT (SECONDS)
  FIELD=SB_FUEL_TYPE, SB_FUEL_TYP, A6, $ TYPE OF FUEL USE CODE (GAS, DIESEL)
  FIELD=SB_FUEL_CAP, SB_FUEL_CAP, F6.1, $ MAXIMUM FUEL CAPACITY 100% (GAL)

3 SEGNAME=LOADCOND, PARENT=SHIPS, SEGTYPE=S1
  FIELD=DISPLACEMENT, DISPL, F7.1, $ DISPLACEMENT (LONG TONS)
  FIELD=DISPL_TYPE, DISPL_TYP, A8, $ DISPLACEMENT USE CODES (LIGHT, MEDIUM, STANDARD, FULL)
  FIELD=KG, F5.2, $ VERTICAL CG (FEET)
  FIELD=KB, F5.2, $ METECENTRIC HEIGHT (FEET)
  FIELD=CM, F6.2, $ LONGITUDINAL CG REF AMIDSHIPS - AFT (FT)
  FIELD=LCG, F6.2, $ LONGITUDINAL CB REF AMIDSHIPS - AFT (FT)
  FIELD=LCB, F6.2, $ MAXIMUM RIGHTING ARM (FEET)
  FIELD=MAX_RIGHT_ARM, MAX_RA, F4.1, $ MAXIMUM RIGHTING ARM (FEET)
  FIELD=MAX_RA_COMM, MAX_FAC, A25, $ COMMENT ON MAXIMUM RIGHTING ARM (EG. DEFINED AT ANGLE OF DOWN FLOODING)
  FIELD=ANG_DOWN_FLD, ANG_OF, F4.1, $ ANGLE OF DOWN FLOODING (DEG)

3 SEGNAME=REFERS, PARENT=SHIPS, SEGTYPE=S1
  FIELD=REFER_NUM, REFNUM, A6, $ UNIQUE REFERENCE NUMBER POINTS TO SOURCE
  FIELD=REFER_NOTE, REFNOTE, A30, $ NOTE ABOUT REFERENCE (EG. MORE DETAIL ON DESIGN OF VESSEL)

3 SEGNAME=WEIGHTS, PARENT=SHIPS, SEGTYPE=S1
  FIELD=SUBS_CODE, SUBSCO, A3, $ CODE FOR SHIP WEIGHT BREAKDOWN STRUCTURE
  FIELD=SUBS_WT, SUBSWT, F7.1, $ WEIGHT IN (LT) WITHIN SUBS CODE
  FIELD=MARGIN, SUBSMG, F3.2, $ MARGIN $ FOR THIS SUBS WEIGHT
  FIELD=SUBS_QUAL, SUBSDQ, A6, $ QUALITY OF INFORMATION USE CODE (ACTUAL, ESTIMA)

3 SEGNAME=RUDDERS, PARENT=SHIPS, SEGTYPE=S1
  FIELD=RUDDER_ID, R, RUDDNUM, A1, $ CONSECUTIVE ID NUMBERS
  FIELD=RUDDER_LOC, RUDDLOC, A15, $ LOCATION OF RUDDER
  FIELD=RUDDER_TYPE, RUDDTYP, A10, $ TYPE OF RUDDER (USE CODES)
  FIELD=R_MAX_ANGLE, RUDDANG, I2, $ MAXIMUM RUDDER ANGLE (DEG)
  FIELD=R_SURF_AREA, RSURFAREA, A4, $ MAXIMUM SURFACE AREA (SQ FT)
  FIELD=R_ASPECT_RATIO, RASPRAT, F5.2, $ RUDDER ASPECT RATIO
  FIELD=RUDDER_CON, RUDDERCON, A25, $ RUDDER COMMENT

```

SECTION 01.01 STRUCTURE OF FOCUS FILE HULLMFGS ON 04/09/87 AT 14.44.51

```
HULLMFG
01 .....
S1 .....
*HULL_MFG **I
*MFG_ADDR1 **
*MFG_ADDR2 **
*MFG_ADDR3 **
* .....
* .....
```

```

=====
$ HULLMFGS
$
$ THIS IS THE MASTER FILE DESCRIPTION FOR THE FILE WHICH CONTAINS THE
$ HULL MANUFACTURER INFORMATION. THIS FILE CAN BE USED AS A CROSS-
$ REFERENCE FILE 'TO' THE SHIPS FILE (SHIPS.FOC) THROUGH THE USE OF
$ THE HULL_MFG VALUE.
$
$=====
FILE=HULLMFGS, SUFFIX=FOC
SEGNAME=HULLMFG, SECTYPE=S1
FIELD=HULL_MFG, HULLMFG, A25, INDEX=1, $ HULL MANUFACTURER NAME
FIELD=MFG_ADDR1, MFGADDR1, A25, $ HULL MFG'S ADDRESS1
FIELD=MFG_ADDR2, MFGADDR2, A25, $ HULL MFG'S ADDRESS2
FIELD=MFG_ADDR3, MFGADDR3, A25, $ HULL MFG'S COUNTRY
FIELD=MFG_REP, MFGREP, A25, $ HULL MFG'S REPRESENTATIVE
FIELD=MFG_PHONE#, MFGPHONE, A20, $ HULL MFG'S PHONE NUMBER

```

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HULLS
S1
01
SHIP_ID
HULL_SHAPE
BOW_TYPE
BULBOUS

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C-12

```

1=====
2LAST REVISED 4-2-87          M U L L S
3
4THIS MASTER FILE DESCRIPTION DESCRIBES THE SPECIFIC INFORMATION PER-
5TAINING TO THE HULL OF A SHIP.  IT CAN BE USED AS A CROSS-REFERENCE
6FILE 'TO' THE SHIPS FILE THROUGH THE HULL_TYPE FIELD
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FIELD=WD_CLEAR_AFT, 12, $ WET DECK CLEARANCE AFT (FT)
FIELD=CUSHION_LEN, CUSHLEN, F5.1, $ CUSHION LENGTH (FT)
FIELD=CUSHION_BEAM, CUSHBEAM, F5.1, $ CUSHION BEAM MAXIMUM (FT)
FIELD=CUSHION_BEAM_RATIO, CUSHBEAMR, F3.1, $ CUSHION LENGTH/BEAM RATIO
FIELD=CUSHION_AREA, CUSHAREA, F4, $ CUSHION AREA (FT^2)
FIELD=CUSHION_PRESS, CUSHPRES, F4.2, $ CUSHION PRESSURE (PSI)
FIELD=CUSHION_VOL, CUSHVOL, 17, $ CUSHION VOLUME (FT^3)
FIELD=DUCTSYS_DESC, DUCTSYSDESC, A78, $ DUCTING SYSTEM DESCRIPTION
FIELD=CUSHION_CS, CCS, 11, $ CUSHION PRESSURE RIDE CONTROL SYSTEM (Y/N)

$ SEGNAME=CUSHCNTL, PARENT=ACVSES, SEGTYPE=U
FIELD=CCS_DESC, CCSDESC, A78, $ CUSHION CONTROL SYSTEM DESCRIPTION
FIELD=CCS_VENT_NUM, CCSVENTNUM, 12, $ CUSHION CONTROL VENT #
FIELD=VENT_AREA_T, VENTAREA, F5.1, $ TOTAL MAX OPEN VENT AREA (FT^2)
FIELD=CCS_VENT_LOC, CCSVENTLOC, A78, $ CUSHION CONTROL VENT LOCATIONS
FIELD=CCS_SENSTYP1, CCSSTYP1, A25, $ CUSHION CNTL SENSOR TYPE 1
FIELD=CCS_SENSTYP2, CCSSTYP2, A25, $ CUSHION CNTL SENSOR TYPE 2
FIELD=CCS_SENSTYP3, CCSSTYP3, A25, $ CUSHION CNTL SENSOR TYPE 3

$ SEGNAME=HYDROS, PARENT=HULLS, SEGTYPE=S1
FIELD=HYDRO_TYPE, HYDROTYPE, A16, $ TYPE OF HYDROFOIL (USE CODES: FULLY SUBMERGED, SURFACE PIERCING, MIXED)
FIELD=HYDRO_NUM, HYDRONUM, 12, $ NUMBER OF FOILS
FIELD=FOIL_RETRACT, FOILRETR, A1, $ FOIL RETRACTABLE (Y/N)
FIELD=FOIL_CONFIG, FOILCONF, A78, $ FOIL CONFIGURATION
FIELD=DFT_FOIL_RET, DFTSRET, F4.1, $ DRAFT MAX FOILS RETRACT (FT)
FIELD=MIN_LO_SPEED, MINLOSPD, F4.1, $ MINIMUM LIFT OFF SPEED (KTS)
FIELD=BE_FOIL_SPEED, BEFOILSPD, F4.1, $ BEST ECONOMICAL FOIL SPEED
FIELD=BE_FOIL_RNG, BEFOILRNG, 14, $ BEST ECONOMICAL FOIL RANGE
FIELD=WAVE_TAKEOFF, WAVTO, F4.1, $ MAX WAVE HEIGHT FOR TAKE OFF (FT)
FIELD=FLYING_MT, FLYHT, F4.1, $ HEIGHT CLEARANCE OF HULL ABOVE WATER

$ SEGNAME=SWATH, PARENT=HULLS, SEGTYPE=U
FIELD=BOX_CLEAR, BOXCLEAR, F4.1, $ BOX CLEARANCE ABOVE WATERLINE
FIELD=BOX_DEPTH, BOXDEPTH, F4.1, $ BOX DEPTH (FT)
FIELD=ST_NUM_SIDE, STNUMSIDE, 11, $ STRUT NUMBER PER SIDE
FIELD=ST_WL_THICK, STWLTHICK, F3.1, $ STRUT THICKNESS AT WATERLINE (FEET)
FIELD=SU_HULL_DIAM, SUHULLDIAM, F4.1, $ MAX SUBMERGED HULL DIAMETER (FT)
FIELD=STRUT_CONFIG, STRUTCONF, A78, $ STRUT CONFIGURATION DESCRIPTION
FIELD=CAN_CONFIG, CANCONF, A78, $ CANARD CONFIGURATION DESCRIPTION
FIELD=CAN_NUM_FWD, CANNUMFWD, 11, $ CANARD NUMBER FORWARD
FIELD=CANARD_AREA, CANAREA, F4.1, $ CANARD AREA (FT^2)
FIELD=FIN_NUM_AFT, FINNUMAFT, 11, $ FIN NUMBER AFT
FIELD=FIN_AREA, FINAREA, F5.1, $ FIN AREA (FT^2)
FIELD=RCS_DESC, RCSDESC, A78, $ RCS SENSOR SYSTEM OVERVIEW
FIELD=RCS_SEN_DES, RCSSEN, A25, $ RCS SENSOR TYPE 1
FIELD=RCS_SENSTYP1, RCSST1, A25, $ RCS SENSOR TYPE 2
FIELD=RCS_SENSTYP2, RCSST2, A25, $ RCS SENSOR TYPE 3
FIELD=RCS_SENSTYP3, RCSST3, A25, $ RCS SENSOR TYPE 3
FIELD=DB_HULL_CL, DBHULLCL, F5.1, $ DISTANCE BETWEEN HULL CENTER CL'S
FIELD=SUB_HULL_CON, SUBHULLCON, A30, $ HULL CONFIGURATION
FIELD=C_BRIDGE_FWD, CBRFWD, A1, $ CROSS BRIDGE FORWARD (Y/N)
FIELD=C_BRIDGE_AFT, CBRFHT, A1, $ CROSS BRIDGE AFT (Y/N)

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PLNT INFO

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01          S1
*****
** PP_MODEL_NUM **
** PP_TYPE      **
** PP_MANUFAC   **
** PP_FUEL      **
*****

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I
+-----+
I I HP I S1 I S2 I SHIP_ID
*****
02 I S1 03 I S2 *****
I SHIP_ID **I
*****
PPP_HP_TYPE **
PPP_SFC **
PPP_HP **
PPP_RPM **
PPP_FUN_COMM**
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[illegible]

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+-----+-----+-----+-----+
I      I      I      I      I      I      I      I      I      I
I SCREW    JET     FAN     SHAFT
I U        I U     I U     I U
08          09     10     11
*****
PROP TYPE   *JET_TYPE   *FAN_TYPE   *SHAFT_ANGLE
PROP COMMENT *JMODELNUM  *FANMODELNUM *SHAFT MATER
PROP # BLADE *JET_MFG    *FAN_MFG    *SHAFT OD
PROPMODELNUM *JET_DIA     *FAN_WEIGHT *SHAFT_ID
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*****
$ LAST REVISION 4-2-87      P O W E R P L N T
$
$ THIS IS THE MASTER FILE DESCRIPTION FOR THE FILE WHICH CONTAINS THE
$ POWER PLANT, DRIVE, PROPELLSOR, GENERATOR, LIFT FAN AND SCREW INFO.
$ THIS FILE CAN BE CROSS-REFERENCED
$ *10* THE SHIPS FILE (SHIPS.FOC) THROUGH THE SHIP_ID VALUE.
$
$ *****
$
$ FILE=POWERPLNT, SUFFIX=FOC
$
$ SEGNAME=PLNTINFO, SEGTYPE=S1
$   FIELD=PP_MODEL_NUM,PPMODELNUM, A20, $ POWER PLANT MODEL NUMBER
$   FIELD=PP_TYPE, PPTYPE, A10, $ POWER PLANT TYPE (USE CODES)
$   FIELD=PP_MANUFAC, PMFG, A30, $ POWER PLANT MANUFACTURER
$   FIELD=PP_FUEL, PPFUEL, A10, $ POWER PLANT FUEL TYPE (USE CODES)
$   FIELD=PP_VOLUME, PPVOL, F7.1, $ VOLUME OF PLANT (FT^3)
$   FIELD=PP_WEIGHT, PPWT, 15, $ WEIGHT OF PLANT (LBS)
$   FIELD=PP_LENGTH, PPLEN, F4.1, $ LENGTH OF PLANT (FEET)
$   FIELD=PP_WIDTH, PPWIDTH, F4.1, $ WIDTH OF PLANT (FEET)
$   FIELD=PP_HEIGHT, PPHHEIGHT, F4.1, $ HEIGHT OF PLANT (FEET)
$   FIELD=PP_COMMENT, PPCOMMENT, A78, $ POWER PLANT COMMENT (EG. HIGH SPEED, TWO STROKE, 12 CYLINDERS)
$
$ *****
$
$ SEGNAME=HP, PARENT=PLNTINFO, SEGTYPE=S1
$   FIELD=PP_HP_TYPE,PPHMTYP, A10, $ TYPE OF HP IE. BHP, SHP, ...
$   FIELD=PP_SF, PPSEC, F4.2, $ SPECIFIC FUEL CONSUMPTION AT THIS POWER LEVEL (LB/HP-HOUR)
$   FIELD=PP_HP, PPHM, 15, $ POWER PLANT HORSEPOWER
$   FIELD=PP_RPM, PPRPM, A5, $ POWER PLANT RPM AT RATED HP
$   FIELD=HP_COMMENT,PPHPCOMM, A40, $ COMMENT ON HP CONVENTION OR NUMBERS
$
$ *****
$
$ SEGNAME=SHIP_ID, PARENT=PLNTINFO, SEGTYPE=S2
$   FIELD=SHIP_ID, SHIPID, A4, INDEX=1, $ SHIP ID NUMBER MANY SHIPS CAN HAVE THE SAME ENGINE
$   FIELD=PP_NUM, PPNUM, 11, $ NUMBER OF POWER PLANT UNITS ON SHIP
$   FIELD=PPP_FUNCTION, PPPFUNC, A10, $ POWER PLANT PRIMARY FUNCTION (USE CODES)
$     - PROPELLSION
$     - AUXILIARY
$     - GENERATOR
$     - THRUSTER
$     - LIFT_FAN
$     - DECK_EQUIP
$
$ *****
$
$   FIELD=PPP_FUN_COMM, PPPCOM, A78, $ POWER PLANT PRIMARY FUNCTION COMMENT
$   FIELD=PPS_FUNCTION, PPSFUNC, A10, $ POWER PLANT SECONDARY FUNCTION (USE CODES AS LISTED FOR PRIME)
$   FIELD=PPS_FUN_COMM, PPSCOM, A78, $ POWER PLANT SECONDARY FUNCTION COMMENT
$
$ *****
$
$ SEGNAME=DRIVE, PARENT=SHIP_ID, SEGTYPE=S1
$   FIELD=DRIVMODELNUM, DRIVMODELNUM, A20, $ DRIVE MODEL NUMBER
$   FIELD=DRIVE_TYPE, DIYPE, A12, $ DRIVE TYPE IE. GEAR BELT 2 OUT
$   FIELD=DRIVE_COMMENT, DCOMMENT, A78, $ DRIVE COMMENT
$   FIELD=REDUC_RATIO, REDRATIO, F4.2, $ REDUCTION RATIO
$   FIELD=DRIVEPMFG, DPMFG, A30, $ DRIVE MANUFACTURER
$   FIELD=REVERSING, REV, A1, $ REVERSING (Y/N)
$   FIELD=DRIVE_WEIGHT, DRIVWT, 15, $ DRIVE WEIGHT (LBS)
$
$ *****

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$  SEGNAME=HYDRAUL.  PARENT=SHIP_ID,  SEGTYPE=S1
  FIELD=HYDRO_MODEL_NUM,  HMODELNUM,  A20,  $ HYDRAULIC MODEL NUMBER
  FIELD=HYDRO_TYPE,  HYDTYPE,  A12,  $ HYDRAULIC TYPE
  FIELD=HYD_COMMENT,  HCOMMENT,  A78,  $ HYDRAULIC COMMENT
  FIELD=HYD_MFG,  HMFG,  A30,  $ HYDRAULIC MANUFACTURER
  FIELD=HYD_WEIGHT,  HYDWT,  I5,  $ HYDRAULIC WEIGHT (LBS)
  FIELD=HYD_CAPACITY,  HCAP,  F5.1,  $ CAPACITY (GAL/MIN)
  FIELD=HYD_PRESSURE,  HPPRESSURE,  F6.1,  $ FLUID PRESSURE (PSI)
$
$  SEGNAME=ELECTRIC,  PARENT=SHIP_ID,  SEGTYPE=U
  FIELD=ELEC_MODEL_NUM,  EMODELNUM,  A20,  $ ELECTRIC MODEL NUMBER
  FIELD=ELEC_NUM,  ELECNUM,  I1,  $ NUMBER OF ELECTRIC UNITS DRIVEN BY POWER PLANT
  FIELD=ELEC_TYPE,  ELECTYP,  A12,  $ ELECTRIC UNIT TYPE
  FIELD=ELEC_COMMENT,  ECOMMENT,  A78,  $ ELECTRIC COMMENT
  FIELD=ELEC_MFG,  EMFG,  A30,  $ ELECTRIC MANUFACTURER
  FIELD=ELEC_HOUR,  F6.1,  $ OUTPUT IN KILOWATT-HOUR
  FIELD=ELEC_CURRENT,  F5.1,  $ CURRENT (AMPS)
  FIELD=AC_DC,  A2,  $ AC OR DC
  FIELD=VOLTS,  I3,  $ VOLTS
  FIELD=PHASE,  A1,  $ PHASE (EG. 2 OR 3 PHASE)
  FIELD=ELEC_WEIGHT,  ELECWT,  I5,  $ ELEC UNIT WEIGHT (LBS)
$
$  SEGNAME=PROPULS,  PARENT=SHIP_ID,  SEGTYPE=S1
  FIELD=PROPULS_TYPE,  PROPULSTYP,  A15,  $ PROPULSOR TYPE (USE CODES)
  - AIR_SCREW
  - WATER_JET
  - LIFT_FAN
$
$  FIELD=PU_MODEL_NUM,  PUMODELNUM,  A20,  $ PROPULSOR MODEL NUMBER
  FIELD=PU_MFG,  PUMFG,  A30,  $ PROPULSOR MANUFACTURER
  FIELD=TRAINABLE,  TRAIN,  A1,  $ TRAINABLE Y/N
  FIELD=PROPULSORLOC,  PULOC,  A30,  $ PROPULSOR LOCATION (EG. STERN)
  FIELD=PU_COMMENT,  PUCOMMENT,  A78,  $ PROPULSOR COMMENT
$
$  SEGNAME=SCREW,  PARENT=PROPULS,  SEGTYPE=U
  FIELD=PROP_TYPE,  PROPTYP,  A15,  $ PROPELLER TYPE (USE CODES)
  FIELD=PROP_COMMENT,  PROPCOMMENT,  A78,  $ PROPELLER COMMENT (EG. PRESENCE OF RAKE, SKEW ETC.)
  FIELD=PROP_9_BLADE,  P_9_BLADE_NUM,  I2,  $ NUMBER OF PROPELLER BLADES
  FIELD=PROP_MODEL_NUM,  PMODELNUM,  A20,  $ PROPELLER MODEL NUMBER
  FIELD=PROP_MFG,  PROPMFG,  A30,  $ PROPELLER MANUFACTURER
  FIELD=PROP_DIAM,  PROPDIAM,  F4.1,  $ PROPELLER DIAMETER (FEET)
  FIELD=PROP_MATER,  PROPMATER,  A15,  $ PROPELLER MATERIAL
  FIELD=PROP_WEIGHT,  PROP_WT,  I5,  $ PROPELLER WEIGHT (LBS)
  FIELD=PITCH_MAX,  PITCHMAX,  F3.1,  $ PITCH MAX (FEET)
  FIELD=PROP_VAR,  PROPVAR,  A1,  $ PROPELLER PITCH VARIABLE (Y/N)
  FIELD=PITCH_CNTL,  PITCHCNTL,  A1,  $ PITCH CONTROLLABLE (Y/N)
  FIELD=FULL_REV,  FULLREV,  A1,  $ FULL REVERSING (Y/N)
  FIELD=PROP_DUCTED,  PROPDUCT,  A1,  $ DUCTED (Y/N)
  FIELD=PROP_TUNNEL,  PROPTUNNEL,  A1,  $ TUNNEL (Y/N)
$
$  SEGNAME=SHAFT,  PARENT=PROPULS,  SEGTYPE=U
  FIELD=SHAFT_ANGLE,  SH_ANGLE,  F4.1,  $ SHAFT ANGLE (DEG)
  FIELD=SHAFT_MATER,  SH_MATER,  A15,  $ SHAFT MATERIAL (FOR STRAIN GAGE)
  FIELD=SHAFT_OD,  SH_OD,  F4.1,  $ SHAFT OUTSIDE DIAMETER (IN)

```

```

FIELD=SHAFT ID, SH ID, F4.1, $ SHAFT INSIDE DIAMETER (IN)
FIELD=SHAFT G, SM G, 18, $ SHAFT SHEAR MODULUS (PSI)
FIELD=SHAFT COMMENT,, A78, $ SHAFT COMMENT

$
--E-NAME FAN, PARENT=PROPULS, SEGTYPE=U
FIELD=FAN_TYPE, FANTYPE, A20, $ FAN TYPE IE. VANE AXIAL, CENTRIFICAL
FIELD=FANMODELNUM, FANMODELNUM, A20, $ FAN MODEL NUMBER
FIELD=FAN_MFG, FANMFG, A30, $ FAN MANUFACTURER
FIELD=FAN_WEIGHT, FANWT, 15, $ FAN WEIGHT (LBS)
FIELD=FAN_NUM, FANNUM, 11, $ NUMBER OF FANS PER PRIME MOVER
FIELD=FAN_BLADES, FANBLADES, 12, $ NUMBER OF FAN BLADES PER UNIT
FIELD=FAN_CONFIG, FANCONFIG, A10, $ FAN CONFIGURATION SERIAL PARALLEL
FIELD=PRESSURERISE, PRESS_RISE, F4.2, $ FAN PRESSURE RISE (PSI)
FIELD=FAN_COMMENT, FANCOMM, A78, $ FAN COMMENT

$
SEGNAME=JET, PARENT=PROPULS, SEGTYPE=U
FIELD=JET_TYPE,, A11, $ JET TYPE IE. AXIAL, MIXED, CENTRIFICAL
FIELD=JETMODELNUM, JETHODNUM, A20, $ JET MODEL NUMBER
FIELD=JET_MFG, JETMFG, A30, $ JET MANUFACTURER
FIELD=JET_DIA,, F4.1, $ JET OPENING DIAMETER
FIELD=JET_STAGES,, A1, $ NUMBER OF STAGES
FIELD=JET_WEIGHT,, 15, $ JET WEIGHT, WET (LBS)
FIELD=JET_THRUST,, 16, $ JET STATIC THRUST (LBS)
FIELD=JET_EFFIC,, JET_TH_EFF, F3.2, $ JET THRUST EFFICIENCY (PERCENT)
FIELD=JET_FLOWRATE, JET_FR, 13, $ JET FLOW RATE (FT^3/SEC)
FIELD=JET_IN_HEAD, JET_T1H, F4.1, $ JET INLET TOTAL HEAD (FT)
FIELD=JET_COMMENT, JETCOMM, A78, $ JET COMMENT

```

AD-A193 920

SURVEY OF TECHNOLOGY WITH POSSIBLE APPLICATIONS TO
UNITED STATES COAST GU. (U) COAST GUARD RESEARCH AND
DEVELOPMENT CENTER GROTON CT S ALLEN ET AL. SEP 87
CG-D-86-88-VOL-3

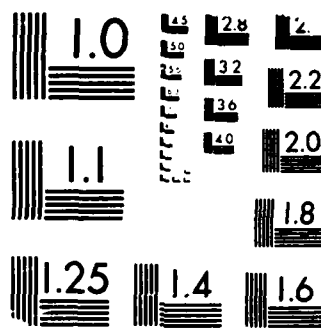
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MICROCOPY RESOLUTION TEST CHART
 (P14) U.S. STANDARDS 1963 A

SECTION 01.01 STRUCTURE OF FOCUS FILE WEAPONS ON 04/09/87 AT 14.49.03

```

WEAPONS
01  S1
.....
*SHIP_ID ..
*SOWAR_TYPE ..
*COMMAND_COM ..
*INTERGATE ..
.....
I
-----+
I FIRECOM
02  I S1
.....
*FIRE_COM_TYP..
*FIRE_COM_DES..
*FC_WEIGHT ..
*FC_WEIGHT ..
.....
I
-----+
I LGCUNS
03  I S1
.....
*LG_CAL_TYP ..
*LG_CAL_MER ..
*LG_CAL_NUM ..
*LG_CAL_WT ..
.....
I
-----+
I TORPEDOS
04  I S1
.....
*TORPEDO_TYP..
*TORPEDO_FUN ..
*TORPEDO_MER ..
*TORPEDO_NUM ..
.....
I
-----+
I MISSILES
05  I S1
.....
*MISSILE_TYP..
*MISSILE_FUN ..
*MISSILE_MER ..
*MISSILE_NUM ..
.....
I
-----+
I SHAMS
06  I S1
.....
*SM_ARMS_TYP..
*SM_ARMS_NUM ..
*SM_ARMS_RDS ..
.....
I
-----+

```

```

*****
$ WEAPONS
$
$ THIS IS THE MASTER FILE DESCRIPTION FOR THE FILE WHICH CONTAINS THE
$ WEAPONS-RELATED INFORMATION. THIS FILE CAN BE USED AS A CROSS-REFER-
$ ENCED FILE 'TO' THE SHIPS FILE (SHIPS.FOC) THROUGH THE SHIP_ID VALUE.
$
$*****
$
$ FILE=WEAPONS, SUFFIX=FOC
$ SEGNAME=WEAPONS, SEGTYPE=S1
$ FIELD=SHIP_ID, SHIPID, A4, INDEX=1, $ REFERENCE SHIP ID NUMBER
$ FIELD=SONAR_TYPE, SONARTYPE, A49, $ SONAR TYPE
$ FIELD=COMMAND_CON, COMCON, A78, $ COMMAND AND CON DESCRIPTION
$ FIELD=INTEROGATE, INTER, A78, $ IFF PASSIVE OR ACTIVE & DESCRIPTION
$ FIELD=DEGAUSING, DEGAUS, A1, $ VESSEL HAVE DEGAUSING (Y/N)
$ FIELD=MINE_SWEEP, MINESWEEP, A1, $ VESSEL HAVE MINE SWEEP (Y/N) CAPABILITY
$
$
$ SEGNAME=FIREFCON, SEGTYPE=S1
$ FIELD=FIRE_CON_TYP, FCTYPE, AB, $ USE CODES (LARGECAL, TORPEDOS OR MISSILES)
$ FIELD=FIRE_CON_DES, FCDES, A78, $ FIRE CONTROL SYSTEM DESCRIPTION
$ FIELD=FC_WEIGHT, FCWT, 15, $ FIRE CONTROL SYSTEM WEIGHT (LBS)
$ FIELD=FC_HEIGHT, FCHT, F5.1, $ HEIGHT OF FC SYSTEM ABOVE KEEL
$ FIELD=FC_VOLUME, FCVOL, 15, $ VOLUME OF FC SYSTEM (FT^3)
$
$ SEGNAME=SHARMS, PARENT=WEAPONS, SEGTYPE=S1
$ FIELD=SH_ARMS_TYPE, SHARMSYPE, AB, $ SMALL ARMS CODE
$ FIELD=SH_ARMS_NUM, SHARMSNUM, 13, $ NUMBER OF SMALL ARMS WEAPONS OF THIS CODE
$ FIELD=SH_ARMS_RDS, SHARMSRDS, 17, $ NUMBER OF ROUNDS OF AMO FOR ALL SMALL ARMS OF THIS CODE
$
$ SEGNAME=LGGUNS, PARENT=FIREFCON, SEGTYPE=S1
$ FIELD=LG_CAL_TYPE, LGCALTYPE, AB, $ LARGE CALIBER GUNS CODE
$ FIELD=LG_CAL_MER, LGCALMER, F5.1, $ LARGE CALIBER MAXIMUM EFFECTIVE RANGE (YARDS)
$ FIELD=LG_CAL_NUM, LGCALNUM, 12, $ NUMBER OF LG CALIBER GUNS
$ FIELD=LG_CAL_WT, LGCALWT, 15, $ WEIGHT OF EACH LBS INCL AMO
$ FIELD=LG_CAL_RDS, LGCALRDS, 15, $ NUMBER OF LARGE CAL ROUNDS
$ FIELD=LG_CAL_VOL, LGCALVOL, 15, $ VOLUME (FT^3) INCL AMO
$
$ SEGNAME=TORPEDOS, PARENT=FIREFCON, SEGTYPE=S1
$ FIELD=TORPEDO_TYPE, TORPEDOTYPE, AB, $ TORPEDO TYPE (USE CODE)
$ FIELD=TORPEDO_FUN, TORPEDOFUN, AB, $ TORPEDO FUNCTION (USE CODE)
$ FIELD=TORPEDO_MER, TORPEDOMER, F5.1, $ TORPEDO MAXIMUM EFFECTIVE RANGE (YARDS)
$ FIELD=TORPEDO_NUM, TORPEDONUM, 12, $ NUMBER OF TORPEDOS
$ FIELD=TORPEDO_WT, TORPEDOWT, 14, $ WEIGHT OF EACH LBS
$ FIELD=TORPEDO_VOL, TORPEDOVOL, 13, $ VOLUME FT^3
$
$ SEGNAME=MISSILES, PARENT=FIREFCON, SEGTYPE=S1
$ FIELD=MISSILE_TYPE, MISSILETYPE, AB, $ MISSILE TYPE (USE CODE)
$ FIELD=MISSILE_FUN, MISSILEFUN, AB, $ MISSILE FUNCTION (USE CODE)
$ FIELD=MISSILE_MER, MISSILEMER, F5.1, $ MISSILE MAXIMUM EFFECTIVE RANGE (YARDS)
$ FIELD=MISSILE_NUM, MISSILENUM, 12, $ NUMBER OF MISSILES
$ FIELD=MISSILE_WT, MISSILEWT, 14, $ WEIGHT OF EACH LBS
$ FIELD=MISSILE_VOL, MISSILEVOL, 14, $ VOLUME FT^3

```



```

=====
$
$
$ THIS IS THE MASTER FILE DESCRIPTION FOR THE 'MAIN' REFERENCE FILE
$ WHICH WILL BE USED TO CROSS-REFERENCE TO THE SHIPS FILE. THIS FILE,
$ IN TURN, WILL ALSO BE USED AS THE 'HOST' TO CROSS-REFERENCING TO THE
$ 'TEST' REFERENCE FILE (TESTREF.FOC), THE REFERENCE 'LOCATION' FILE
$ (REFLOC.FOC) AND THE REFERENCE 'EXPERT' FILE (REFEXPT.FOC).
$
$
$ TESTREF-- DESCRIPTION OF TEST, LOCATION, TIME & TEST DIRECTORS
$ LOCATION-- PHYSICAL LOCATION OF TEST LOGS, REPORTS & DISK DATA
$ EXPERT-- PERSON OR MODEL WHICH ORIGINATED REFERENCED DATA
$
$=====
$
$ FILE=MAINREF. SUFFIX=FOC
$ SEGNAME=REFNUMS. SEGTYPE=S1
$ FIELD=REFER_NUM, REFNUM, A4, INDEX=1, $ REFERENCE NUMBER
$
$ SEGNAME=RTINFO, PARENT=REFNUMS, SEGTYPE=U
$ FIELD=TITLE, TITLE, A78, $ REPORT TITLE
$ FIELD=AUTHOR, AUTH, A28, $ REPORT AUTHOR
$ FIELD=CO_AUTHOR, CO_AUTH, A28, $ REPORT CO AUTHOR
$ FIELD=PUBL_NAME, PUBLNAME, A25, $ PUBLISHER'S NAME
$ FIELD=PUBL_ADDR1, PUBLADDR1, A25, $ PUBLISHER'S ADDRESS LINE 1
$ FIELD=PUBL_ADDR2, PUBLADDR2, A25, $ PUBLISHER'S ADDRESS LINE 2
$ FIELD=REPORT_DATE, RPTDATE, A6YMD, $ REFERENCE DATE (YYMMDD)
$ FIELD=NTIS_NUM, NTISNUM, A15, $ NTIS NUMBER
$ FIELD=REPORT_NUM, RPTNUM, A15, $ REPORT NUMBER OTHER CONVENTION
$=====
$... YOU MAY DECIDE TO BREAK OUT THE FOLLOWING 'TEXT-LIKE' INFORMATION
$ OUT INTO ANOTHER UNIQUE SEGMENT AS YOU WILL NOT BE ABLE TO FIT TOO
$ MANY SEGMENT INSTANCES PER FOCUS PAGE (4096 BYTES) (DONE 3-26-87)
$=====
$
$ FIELD=ABST_LINE1, ALINE1, A78, $ ABSTRACT LINE 1
$ FIELD=ABST_LINE2, ALINE2, A78, $ ABSTRACT LINE 2
$ FIELD=ABST_LINE3, ALINE3, A78, $ ABSTRACT LINE 3
$ FIELD=ABST_LINE4, ALINE4, A78, $ ABSTRACT LINE 4
$ FIELD=ABST_LINE5, ALINE5, A78, $ ABSTRACT LINE 5
$
$ SEGNAME=RTSUM, PARENT=REFNUMS, SEGTYPE=U
$ FIELD=SUMM_LINE1, SLINE1, A78, $ SUMMARY LINE 1
$ FIELD=SUMM_LINE2, SLINE2, A78, $ SUMMARY LINE 2
$ FIELD=SUMM_LINE3, SLINE3, A78, $ SUMMARY LINE 3
$ FIELD=SUMM_LINE4, SLINE4, A78, $ SUMMARY LINE 4
$ FIELD=SUMM_LINE5, SLINE5, A78, $ SUMMARY LINE 5
$ FIELD=CONCL_LINE1, CLINE1, A78, $ CONCLUSION LINE 1
$ FIELD=CONCL_LINE2, CLINE2, A78, $ CONCLUSION LINE 2
$ FIELD=CONCL_LINE3, CLINE3, A78, $ CONCLUSION LINE 3
$ FIELD=CONCL_LINE4, CLINE4, A78, $ CONCLUSION LINE 4
$ FIELD=CONCL_LINE5, CLINE5, A78, $ CONCLUSION LINE 5
$ FIELD=RECOMM_LINE1, RLINE1, A78, $ RECOMMENDATIONS LINE 1
$ FIELD=RECOMM_LINE2, RLINE2, A78, $ RECOMMENDATIONS LINE 2
$ FIELD=RECOMM_LINE3, RLINE3, A78, $ RECOMMENDATIONS LINE 3

```



```

FIELD=RECOMM_LINE4, RLINES4,A78,$ RECOMMENDATIONS LINE 4
FIELD=RECOMM_LINES, RLINES,A78,$ RECOMMENDATIONS LINE 5
FIELD=KEY_WORD1, KEY1, A20,$ KEY WORD #1
FIELD=KEY_WORD2, KEY2, A20,$ KEY WORD #2
FIELD=KEY_WORD3, KEY3, A20,$ KEY WORD #3
FIELD=KEY_WORD4, KEY4, A20,$ KEY WORD #4
FIELD=KEY_WORDS, KEY5, A20,$ KEY WORD #5
FIELD=KEY_WORDS, KEY6, A20,$ KEY WORD #6
FIELD=KEY_WORD7, KEY7, A20,$ KEY WORD #7
FIELD=KEY_WORD8, KEY8, A20,$ KEY WORD #8
FIELD=KEY_WORD9, KEY9, A20,$ KEY WORD #9
FIELD=KEY_WORD10, KEY10, A20,$ KEY WORD #10

1
2 THIS DATA IS SOMEWHAT SUBJECTIVE AND IS USED IN SAR & PATROL MODELS
3
4 SEGNAME=MOOLINFO, PARENT=REFNUMS, SEGTYPE=U
5 FIELD=RADAR_SW_ELT, RSMELT, F5.1, $ RADAR SWEET ELT
6 FIELD=VIS_SW_ELT, VSMELT, F4.1, $ VISUAL SWEET ELT
7 FIELD=DAYR_SW_SAR, DSSUSAR, F4.1, $ DAY SEARCH SWEET SAR
8 FIELD=NIGHT_SW_SAR, NSSUSAR, F4.1, $ NIGHT SEARCH SAR
9 FIELD=RADAR_AV_PCT, RAVAIL, F4.2, $ RADAR AVAIL PERCENTAGE
10 FIELD=VESSEL_MTB, VMTBF, F4.2, $ VESSEL MEAN TIME FAILURE (HOURS)
11
12 SEGNAME=COSTINFO, PARENT=REFNUMS, SEGTYPE=S1
13 FIELD=YEAR_REF, YRREF, A2, $ YEAR REFERENCE FOR MONEY VALUE
14 FIELD=ACQUISITION, AQ, 15M, $ ACQUISITION COST IN THOUSANDS
15 FIELD=ACQ_PCT_INC, ACPCTINC, F4.2, $ ACQUISITION & REAL INC FOR EACH BUY
16 FIELD=REFURB_COST, RFB_COST, 15M, $ MAJOR REFURBISH COST IN THOUSANDS
17 FIELD=REFURB_YEAR, RFB_YEAR, A2, $ YEAR OF MAJOR REFURBISHMENT IN LIFE CYCLE
18 FIELD=REF_PCT_INC, RFBPCTINC, F5.2, $ INC OF REFURB. DURING 2ND HALF OF LIFE
19 FIELD=VESSEL_LIFE, VESSELIFE, A2, $ VESSEL LIFE (YEARS)
20 FIELD=ANNUAL_MAINT, ANMAINT, 13M, $ ANNUAL MAINTENANCE COST (THOUSANDS)
21 FIELD=MAINT_PC_INC, MAINTPCINC, F5.2, $ REAL INC OF MAINT FOR 2ND HALF OF LIFE
22 FIELD=ANNUAL_KOS, ANNKOS, 13M, $ ANNUAL COST OF OTHER STUFF
23 FIELD=DRY_DOCK_YR, DRYOKYR, 12, $ DRY DOCK YEAR INTERVAL
24 FIELD=HAUL_COST, HAULCOST, 13M, $ COST OF HAULING VESSEL (THOUSANDS)
25 FIELD=DRY_DOCK_MT, DRYDKMAINT, 14M, $ DRY DOCK MAINTENANCE (THOUSANDS)
26 FIELD=DISPL_COST, DISPCOST, 14M, $ DISPOSAL COST (THOUSANDS)
27 FIELD=CUTDAYS_UM, CDAYSUM, 13, $ CUTTER DAYS UNDER WAY PER YEAR

```

FILE REFEXPTS ON 04/09/87 AT 14.57.38

1

```

*****
R E F E R E N C E S
*****
1  THIS IS THE MASTER FILE DESCRIPTION FOR THE REFERENCE 'EXPERTS' FILE
1  WHICH CAN BE USED AS A CROSS-REFERENCE FILE 'TO' THE 'MAIN' REFERENCE
1  FILE (MAINREF.FOC) THROUGH THE USE OF THE REFER_NUM VALUE.
1
1 *****
1
1 FILE=REFEXPTS, SUFFIX=FOC
1 SEGNAME=REFEXPTS, SEGTYPE=S1
1 FIELD=REFER_NUM, REFNUM, A4, INDEX=1, $ REFERENCE NUMBER
1
1 SEGNAME=EXPTINFO, PARENT=REFEXPTS, SEGTYPE=U
1 FIELD=EXP_NAME, EXPNAME, A25, $ NAME OF THE REFERENCE PERSON OR MODEL
1 FIELD=EXP_ADDR1, EADDR1, A25, $ EXPERT LOCATION LINE1
1 FIELD=EXP_ADDR2, EADDR2, A25, $ EXPERT LOCATION LINE2
1 FIELD=EXP_ADDR3, EADDR3, A25, $ EXPERT LOCATION LINE3
1 FIELD=EXP_ADDR4, EADDR4, A25, $ EXPERT LOCATION LINE4
1 FIELD=EXP_PHONE, EXPHONE, A25, $ EXPERT'S TELEPHONE NUMBER
1 FIELD=EXP_COMMENT, ECOMMENT, A78, $ COMMENT ON VALIDITY AND TYPE OF DATA

```

SECTION 01.01 STRUCTURE OF FOCUS FILE REFLOCS ON 04/09/87 AT 14.58.20

```
01 REFLOCS
  S1
  .....
  *REFER_NUM *I
  *BUILD_LOC ..
  *REPORT_LOC ..
  *LOCAL_RPT_# ..
  *
  .....
  .....
```

REF L O C S

THE MASTER FILE DESCRIPTION FOR THE REFERENCE 'LOCATION'
 IS: THIS FILE CAN BE USED AS A CROSS-REFERENCE FILE 'TO'
 IN' REFERENCE FILE (MAINREF.MAS) THROUGH THE USE OF THE
 RPT VALUE OR 'TO' REFEXPTS.MAS FOR ADDRESS INFORMATION.
 IT WOULD GENERALLY REFER TO LOCAL REFERENCE LOCATIONS.

1. SUFFIX=FOC
 2. REF L O C S. SECTYPE=51
 3. REFER NUM. REFNUM. A4. INDEX=1. 3 REFERENCE NUMBER
 4. BUILD_LOC. BLDLOC. A40. 3 BUILDING LOCATION (EG. USCG RSD CENTER, GROTON, CT.)
 5. REPORT_LOC. RPTLOC. A40. 3 LOCATION OF REPORT (EG. ROOM NUMBER, FILE CABINET, DRAWER, ETC.)
 6. LOCAL_RPT_N. L_RPT_N. A5. 3 LOCAL FILING REPORT NUMBER
 7. LOG_BOOK_NUM. BOOKNUM. A1. 3 NUMBER OF LOG BOOKS
 8. LOG_BOOK_LOC. BOOKLOC. A40. 3 LOG BOOK(S) LOCATION
 9. DISK_DATA. DATA. A40. 3 LOCATION AND FORM OF DISK DATA
 10. TAPE_DATA. TDATA. A40. 3 TAPE N'S AND LOCATION

SECTION 01.01 STRUCTURE OF FOCUS FILE TESTREF ON 04/09/87 AT 14.59.00

```

TREFNUMS
01  S1
.....
*REFER_NUM  ..1
.
.
.
.
.....
1
1
1
1 TREFINFO
02  I S1
.....
*TEST_NUM  ..
*TEST_REAS ..
*TEST_DESC ..
*TEST_LOC  ..
.
.....

```

```

=====
$
$
$ T E S T R E F
$
$ THIS IS THE MASTER FILE DESCRIPTION FOR THE REFERENCE 'TEST' INFORMA-
$ TION. THIS FILE CAN BE USED AS A CROSS-REFERENCE FILE 'TO' THE
$ 'MAIN' REFERENCE FILE (MAINREF.FOC) THROUGH THE USE OF THE REFER_NUM
$ VALUE. THIS FILE DOCUMENTS SHIP TESTS AND TEST DIRECTORS ASSIGNED.
$
$=====
$
$ FILE=TESTREF. SUFFIX=FOC
$ SEGNAME=TREFNUMS, SEGTYPE=S1
$ FIELD=REFER_NUM, REFNUM, A3, INDEX=1, $ REFERENCE NUMBER
$
$ SEGNAME=TREFINFO, PARENT=TREFNUMS, SEGTYPE=S1
$ FIELD=TEST_NUM, TESTNUM, A1, $ TEST NUMBER
$ FIELD=TEST_REAS, TREAS, A40, $ TEST OR RETEST REASON
$ FIELD=TEST_DESC, IDESC, A78, $ DESCRIPTION OF TESTS CONDUCTED
$ FIELD=TEST_LOC, TESTSITE, A20, $ LOCATION OF TEST
$ FIELD=TEST_ADDR1, TADDR1, A25, $ TEST ADDRESS LINE 1
$ FIELD=TEST_ADDR2, TADDR2, A25, $ TEST ADDRESS LINE 2
$ FIELD=TEST_ADDR3, TADDR3, A25, $ TEST ADDRESS LINE 3
$ FIELD=START_DATE, STRDATE, A6YMD, $ TEST START DATE
$ FIELD=END_DATE, ENDDATE, A6YMD, $ TEST END DATE
$ FIELD=TEST_COMMAND, TESTCOM, A40, $ COMMAND CONDUCTING TEST
$ FIELD=DIRECTOR1, DIR1, A20, $ TEST DIRECTOR 1
$ FIELD=DIRECTOR2, DIR2, A20, $ TEST DIRECTOR 2

```


SECTION 02.01

```
I
I
I AVCTYPES
07 I S1
.....
.AVC_TYPE ..
.SENSOR_VAL ..
.
.
.
.....
```

```

1 *****
2 LAST REVISED 4-2-87          M O T I O N S
3
4 THIS IS THE MASTER FILE DESCRIPTION FOR THE MOTIONS FILE.  THIS FILE
5 CAN BE USED AS A CROSS-REFERENCE 'TO' THE SHIPS FILE (SHIPS.FOC)
6 THROUGH THE SHIP_ID FIELD.  IT CAN ALSO BE USED TO CROSS-REFERENCE
7 THE SPECTRA FILE (SPECTRA.FOC) THROUGH THE VALUES OF THE TEST_DATE
8 AND SIG_WAVE_HT (SEE BELOW - MAKE SURE TO USE THE JOINNAME)
9
10 JOIN TEST_DATE AND SIG_WAVE_HT IN MOTIONS TO GRP_SPECTRA IN SPECTRAS
11
12 *****
13
14 FILE=MOTIONS. SUFFIX=FOC
15 SEGNAME=SHIP_SBS. SEGTYPE=S1
16   FIELD=SHIP_ID. SHIPID. A5. INDEX=1. $ SHIP ID # RELATING TO MOTION DATA
17   FIELD=ALT_BOAT1. ALTBOAT1. A5. $ SHIP ID # OF SIDE BY SIDE BOAT 1
18   FIELD=ALT_BOAT2. ALTBOAT2. A5. $ SHIP ID # OF SIDE BY SIDE BOAT 2
19   FIELD=ALT_BOAT3. ALTBOAT3. A5. $ SHIP ID # OF SIDE BY SIDE BOAT 3
20
21 SEGNAME=MOTINFO. PARENT=SHIP_SBS. SEGTYPE=S4
22   FIELD=TEST_DATE. TSTDATE. A6YMD. $ DATE TEST PERFORMED
23   FIELD=REP_WAVE_HT. RSWAVEHT. F4.1. $ REPRESENTATIVE SIGNIFICANT WAVE HEIGHT FOR ALL DATA SETS (FT)
24   FIELD=TEST_SPEED. TESTSPD. F4.1. $ SHIP TEST SPEED
25   FIELD=TEST_RIDECNTL. TRIDECNTL. A3. $ RIDE CONTROL (USE CODES: ON, OFF OR N/A)
26   FIELD=TEST_DISPL. TDISPL. A1. $ VESSEL DISPLACEMENT (LT)
27   FIELD=TEST_DFT_FWD. TDRFTFWD. F4.1. $ DRAFT FWD (FT) WHEN DIW
28   FIELD=TEST_DFT_AFT. TDRFTAFT. F4.1. $ DRAFT AFT (FT) WHEN DIW
29   FIELD=WIND_SPEED. WINDSPD. 12. $ WIND SPEED (KTS)
30   FIELD=WIND_DIRECT. WINDIR. 13. $ WIND DIRECTION (DEG TRUE)
31
32 SEGNAME=SEADIRS. PARENT=MOTINFO. SEGTYPE=S1
33   FIELD=SEA_DIRECT. SEADIR. A15. $ SEA DIRECTION RELATIVE TO SHIP (USE CODES: HEAD, BOW QUARTER, BEAM, STERN OR FOLLOWING)
34   FIELD=TEST_DURA. TESTDUR. F5.1. $ TEST DURATION AT THIS SEA DIRECTION HEADING (MINUTES)
35   FIELD=SIG_WAVE_HT. SIGWAVEHT. F4.1. $ SIGNIFICANT WAVE HEIGHT (FT)
36   FIELD=WAVE_COMM. WAVECOM. A20. $ COMMENT ON WAVE DATA
37
38 SEGNAME=SPEEDSEA. PARENT=SEADIRS. SEGTYPE=U
39   FIELD=SOURCE_DESC. SOURCEDESC. A30. $ SOURCE DESCRIPTION (EG. FULL SCALE TEST, COMPUTER PROGRAM, MODEL TEST)
40   FIELD=MAX_SUS_SPD. MAXSUSPD. F4.1. $ MAX SUSTAINED SPEED (KTS)
41
42 SEGNAME=SENSSTYP. PARENT=SEADIRS. SEGTYPE=S2
43   FIELD=SENSOR_TYPE. SENSSTYP. A15. $ SENSOR TYPE USE CODES (EG. ROLL ANGLE)
44   FIELD=SENSOR_LOC. SENLOC. A15. $ SENSOR LOCATION (CG, BRIDGE ETC)
45
46 SEGNAME=AVGTYPES. PARENT=SENSSTYP. SEGTYPE=S1
47   FIELD=AVG_TYPE. AVGTYP. A7. $ USE CODES: (H 1/10, M 1/3, RMS, MEAN, MAXIMUM, SD)
48   FIELD=SENSOR_VAL. SENSVAL. F5.2. $ SENSOR VALUE
49
50 SEGNAME=HUMWRESP. PARENT=SEADIRS. SEGTYPE=U
51   $ DATA COLLECTED USING BRUEL & KJAER HUMAN RESPONSE METER
52   FIELD=TEST_DUR. TESTDUR. F4.1. $ TEST DURATION (MIN)
53   FIELD=TIME_RC. TIMERC. F4.1. $ TIME TO REACH 100% REDUCED COMFORT
54   FIELD=TIME_FDP. TIMEFDP. F4.1. $ TIME TO REACH 100% FATIGUE DECREASED PROFICIENCY LIMIT

```

FIELD=TIME_EL,	TIMEEL,	F5.1,	\$	TIME TO REACH 100% EXPOSURE LIMIT
FIELD=TIME_MS_RC,	TIMEMSRC,F5.1,	\$	TIME TO REACH 100% MOTION SICKNESS	REDUCED COMFORT LIMIT
FIELD=TIME_MS_SD,	TIMEMSSD,F5.1,	\$	TIME TO REACH 100% MOTION SICKNESS	SEVERE DISCOMFORT
FIELD=LEO_ACCEL,	LEO,	F5.3,	\$	LEO (WEIGHTED ACCEL G'S)
FIELD=MAX_PEAK_ACC,	MAXPKACC,F5.1,	\$	MAX PEAK ACCELERATION (G'S)	

SECTION 01.01

STRUCTURE OF FOCUS

FILE SPECTRA

ON 04/09/87 AT 15.00.46

SPECTRA

SECTION 02.01

```
I
I
I WAVEAMP
09 I S1
.....
*WDIR_FREQ ..
*WDIR_AMP ..
.
.
.
.....
```

```

*****
1 LAST REVISED 4-3-87          S P E C T R A
1
1 THIS IS THE MASTER FILE DESCRIPTION OF WAVE, MOTION & RAO SPECTRA.  THIS FILE CAN
1 BE USED AS A CROSS-REFERENCE 'TO' THE MOTIONS FILE (MOTIONS.FOC)
1 THROUGH THE TEST_DATE AND SIG_WAVE_M1 VALUES (GROUP KEY OF GROUP_
1 SPECTRA MUST BE USED AS IT IS A CONCATENATION OF THE DATE AND WAVE
1 HEIGHT VALUES)
1
1 *****
1
1 FILE=SPECTRA, SUFFIX=FOC
1 SEGNAME=SPECTRA, SEGTYPE=S1
1 GROUP=GRP_SPECTRA, ALIAS=GSPECTRA, FORMAT=A10,INDEX=1, $* CONCAT OF
1 DATE AND
1 REPRESENTATIVE SIGNIFICANT WAVE HEIGHT
1
1 FIELD=TEST_DATE, TSTDATE, A6YMD, $ DATE TEST PERFORMED
1 FIELD=REP_WAVE_MT,RSWAVENT, F4.1, $ REPRESENTATIVE SIGNIFICANT WAVE HEIGHT FOR ALL DATA SETS (FT)
1 FIELD=SPECTRA_COMM,SPCOMM, A50, $ COMMENT ON ANY TEST SPECTRA
1
1 SEGNAME=SEADIR, PARENT=SPECTRA, SEGTYPE=S1
1 FIELD=SEA_DIRECT, SEADIR, A15, $ SEA DIRECTION RELATIVE TO SHIP (USE CODES: HEAD, BOW QUARTER, BEAM, STERN OR FOLLOWING)
1 FIELD=SIG_WAVE_MT,SWAVENT, F4.1, $ SIGNIFICANT WAVE HEIGHT (FT)
1
1 SEGNAME=SPECTYPE, PARENT=SEADIR, SEGTYPE=S1
1 FIELD=SPEC_TYPE, SPECTYPE, A5, $ SPECTRA TYPE USE CODES (HEAVE, PITCH OR ROLL)
1
1 $ MOTION SPECTRA PSD DATA
1 SEGNAME=MOT_SPEC, PARENT=SPECTYPE, SEGTYPE=S1
1 FIELD=MOT_FREQ, MOTFREQ, D5.2, $ MOTION SPECTRA FREQUENCY (HZ)
1 FIELD=MOT_AMPL, MOTAMPL, D15.8, $ PSD MOTION SPECTRA AMPLITUDE (UNITS**2/HZ)
1
1 $ SHIP RESPONSE AMPLITUDE OPERATOR (RAO) SPECTRA DATA
1 SEGNAME=RAO_SPEC, PARENT=SPECTYPE, SEGTYPE=S1
1 FIELD=RAO_FREQ, RAOFREQ, D5.2, $ RAO SPECTRA FREQUENCY (HZ)
1 FIELD=RAO_AMPL, RAOAMPL, D15.8, $ RAO SPECTRA AMPLITUDE (DIMENSIONLESS)
1
1 $ WAVE POWER SPECTRA DENSITY (PSD) DATA
1 SEGNAME=WAVEPSD, PARENT=SEADIR, SEGTYPE=S1
1 FIELD=WAVE_FREQ, WPSOFREQ,D5.2, $ WAVE FREQUENCY (HZ)
1 FIELD=WAVE_PSD_AMP, WPSDAMP,A4, $ PSD WAVE AMPLITUDE (FT**2/HZ)
1
1 $ DIRECTIONAL WAVE DATA FROM ENDECO 956 WAVETRACK BUOY
1 SEGNAME=WAVECAL, PARENT=SEADIR, SEGTYPE=S1
1 FIELD=DIR_SCALE_FA,DIRSF, D5.3, $ SCALE FACTOR AMP PEAKS BASED ON 50 MAX (FT-SQ/HZ*DEG)
1 FIELD=DIR_SOFTW, DIRSOFT, A2, $ SOFTWARE USED: USE CODES (LM, DB)
1
1 SEGNAME=WAVEDIR, PARENT=WAVECAL, SEGTYPE=S1
1 FIELD=DIRECTION, WAVDIR, I3, $ WAVE ENERGY DIRECTION (DEG TRUE)
1
1 SEGNAME=WAVEAMP, PARENT=WAVEDIR, SEGTYPE=S1
1 FIELD=WDIR_FREQ, WDIRFREQ, D3.2, $ FREQUENCY (HZ)
1 FIELD=WDIR_AMP, WDIRAMP, D2, $ WAVE AMPLITUDE SCALED 0-50

```



```

=====
$ LAST REVISED 4-1-87      N O I S E
$
$ THIS IS THE MASTER FILE DESCRIPTION FOR THE NOISE FILE WHICH CAN BE
$ USED TO CROSS-REFERENCE TO THE SHIPS FILE.
$
$=====
$
$ FILE=NOISE, SUFFIX=FOC
$   SEGNAME=SHIPS, SEGTYPE=S2
$     FIELD=SHIP_ID, SHIPID, A5, INDEX=1, $ REFERENCE SHIP ID NUMBER
$     FIELD=NUM_MAIN_ENG, NUM_ME, I1, $ NUMBER OF MAIN ENGINES OPERATING
$     FIELD=CONFIG_COM, CON_COMM, A30, $ CONFIGURATION COMMENTS (EG. LIFT ENGINES 1300 RPM, BRIDGE DOOR OPEN
$
$   SEGNAME=SPEEDS, PARENT=SHIPS, SEGTYPE=S1
$     FIELD=TEST_SPEED, NTSPEED, F5.1, $ TEST SPEED (KNOTS)
$     FIELD=ERPMAIN, ERPMAIN, A4, $ ENGINE(S) RPM (MAINS)
$
$   SEGNAME=N_SCALE, PARENT=SPEEDS, SEGTYPE=S1
$     FIELD=N_WEIGHTING, NWEIGHT, A1, $ USE CODE: 'A' OR 'C' WEIGHTING FILTER
$
$   SEGNAME=POSITION, PARENT=N_SCALE, SEGTYPE=S1
$     FIELD=N_LOCATION, NLOC, A20, $ LOCATION OF MEASUREMENT
$     FIELD=NOISE_VALUE, NOISEVAL, F5.1, $ NOISE LEVEL (DB)

```


SECTION 01.01 STRUCTURE OF FOCUS FILE POWRFUEL ON 04/09/87 AT 15.03.29

```

POWRINFO
01 S4
.....
*SHIP_ID ..I
*PWR_DISPL ..
*NO_ENGS_USED..
*POWER_TEST ..
.....
I
+-----+
I I TOMINFO 03 I RPMINFO
I I U .....
.....
*TOM_DISPL ..
*TOM_VESSEL ..
*TOM_COMMENT ..
.....
.....

```

```

=====
$ LAI REVISED 4-9-87 P O W E R F U E L
=====
$ THIS IS THE MASTER FILE DESCRIPTION FOR THE POWER/FUEL FILE WHICH
$ DESCRIBES ENGINE PERFORMANCE DURING OPEN WATER, TOWING OR BOLLARD PULL
$ TESTS. ENGINE RPM, HP AND FUEL CONSUMPTION ARE RECORDED. THIS FILE
$ CAN BE USED AS A CROSS-REFERENCE FILE 'TO' THE SHIPS FILE (SHIPS.FOC)
$ THROUGH THE USE OF THE SHIP_ID VALUE.
$
$=====
$ FILE=POWRFUEL, SUFFIX=FOC
$ SEGNAME=POWRINFO, SEGTYPE=S4
$ FIELD=SHIP_ID, SHIPID, A5, INDEX=1, $ REFERENCE SHIP ID NUMBER
$ FIELD=POWR_DISPL, POWDISPL, F7.1, $ VESSEL DISPLACEMENT
$ FIELD=NO_ENGS_USED, NOENGSUSED, A1, $ NUMBER OF ENGINES USED
$ FIELD=POWER_TEST, POWERTEST, A7, $ TYPE OF POWER TEST USE CODES (BOLLARD, TOW OR POWER)
$ FIELD=PO_DISPL_DES, POWDISPLDES, A, $ DISPLACEMENT DESCRIPTION: LIGHT, MEDIUM OR FULL DISPLACEMENT
$ FIELD=PO_DFT_FWD, POWDFTFWD, F4.1, $ DRAFT FWD (FT) WHEN DIM
$ FIELD=PO_DFT_AFT, POWDFTAFT, F4.1, $ DRAFT AFT (FT) WHEN DIM
$ FIELD=FUEL_COMM, FUELCON, A7B, $ COMMENT ON HOW FUEL CONSUMPTION MEASURED ----
$ FIELD=HP_COMM, HPCON, A7B, $ COMMENT ON HOW HORSEPOWER WAS MEASURED ----
$
$=====
$ SEGNAME=TOWINFO, PARENT=POWRINFO, SEGTYPE=U
$ FIELD=TOW_DISPL, TOWDISPL, F7.1, $ TOWED VESSEL DISPLACEMENT (LT)
$ FIELD=TOW_VESSEL, TOWVESS, A2B, $ TOWED VESSEL DESCRIPTION
$ FIELD=TOW_COMMENT, TOWCOMM, A7B, $ TOWING EVOLUTION COMMENT
$
$ SEGNAME=RPRTINFO, PARENT=POWRINFO, SEGTYPE=S2
$ FIELD=PWR_WAVE_HT, PMAVENT, F4.1, $ SIG WAVE HEIGHT DURING TEST
$ FIELD=PWR_SPEED, PSPEED, F4.1, $ SPEED (KTS)
$ FIELD=ENG_RPM_PORT, ERPMPORT, I5, $ ENGINE RPM PORT
$ FIELD=ENG_RPM_STBD, ERPMSTBD, I5, $ ENGINE RPM STARBOARD
$ FIELD=ENG_RPM_CNTR, ERPMCNTR, I5, $ ENGINE RPM CENTER
$ FIELD=HP_PORT, HPPORT, I5, $ HORSEPOWER PORT
$ FIELD=HP_STBD, HPSTBD, I5, $ HORSEPOWER STARBOARD
$ FIELD=HP_CNTR, HPCNTR, I5, $ HORSEPOWER CENTER
$ FIELD=FUELCON_PORT, FCONPORT, F5.1, $ FUEL CONSUMPTION PORT (GPH)
$ FIELD=FUELCON_STBD, FCONSTBD, F5.1, $ FUEL CONSUMPTION STARBOARD (GPH)
$ FIELD=FUELCON_CNTR, FCONCNTR, F5.1, $ FUEL CONSUMPTION CENTER (GPH)
$ FIELD=FUELCON_GEN, FCONGEN, F5.1, $ FUEL CONSUMPTION GENERATOR(S) (GPH)

```

SECTION 01.01 STRUCTURE OF FOCUS FILE UNDERWAY ON 04/09/87 AT 15.04.17

```
UNDERWAY
01 .....
  S1 .....
    *SHIP_ID ..1
    *START_MAINS ..
    *START_GENS ..
    *DIS_SHR_TIES..
    *
    .....
    .....
```


SECTION 01.01 STRUCTURE OF FOCUS FILE MANUEVER ON 04/09/87 AT 15.05.04

```

MANUINFO
01
S2
.....
*SHIP_ID .....I
*MAN_TEST_DAT..
*MAN_DISP ..
*WATER_DEPTH ..
.....
I
I
I
I SPEED
02 I S2
.....
*MAN_SPEED ..
*NO_ENGS_USED..
*ENGINE_RPM ..
.....
I
I
I
I ZIGZAG
03 I U
.....
*INIT_COURSE ..
*RUDD_AMG_CHG ..
*TIME_SEC_EXE ..
*PERIOD ..
.....
I
I ACCEL
04 I U
.....
*TIME_TO_SPD ..
*DIST_TO_SPD ..
.....
I CRASH
05 I U
.....
*STOP_METH ..
*DIST_TO_STOP ..
*TIME_TO_STOP ..
.....
I SPIRAL
06 I S1
.....
*SP_RUDD_ANGL..
*YAW_RATE ..
.....
I TACTICAL
07 I S1
.....
*TA_RUDD_ANGL..
*ADVANCE ..
*TRANSFER ..
*TACT_DIAM ..
.....

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1 LAST REVISED 4-9-87      M A N E U V E R
2
3 THIS IS THE MASTER FILE DESCRIPTION FOR THE FILE RELATING TO INFORMA-
4 TION ON SPIRAL, ZIGZAG & TACTICAL SHIP TESTS. THIS FILE CAN BE
5 USED AS A CROSS-REFERENCE FILE 'TO' THE SHIPS FILE (SHIPS.FOC) THROUGH
6 THE USE OF THE SHIP_ID VALUE.
7
8 -----
9
10 FILE=MANEUVER, SUFFIX=FOC
11 SEGNAME=MANUINFO, SEGTYPE=S2
12 FIELD=SHIP_ID, SHIPID, A3, INDEX=1, 3 REFERENCE SHIP ID NUMBER
13 FIELD=MAN_TEST_DAT, MTESTDATE, ASYMD, 3 MANEUVERING TEST DATE
14 FIELD=MAN_DISP, MDISP, F7.1, 3 SHIP DISPLACEMENT (LT)
15 FIELD=WATER_DEPTH, H2ODEPTH, A4, 3 WATER DEPTH (FT)
16 FIELD=MAN_WAVE_HT, MWAVEHT, F4.1, 3 SIGNIFICANT WAVE HEIGHT
17 FIELD=MAN_WIND_SP, MWINDSPD, A2, 3 WIND SPEED (KTS)
18 FIELD=MAN_WAVE_DIR, MWAVEDIREC, A3, 3 WAVE DIRECTION (DEG TRUE)
19 FIELD=MAN_WIND_DIR, MWINDDIREC, A3, 3 WIND DIRECTION (DEG TRUE)
20
21 SEGNAME=SPEED, PARENT=MANUINFO, SEGTYPE=S2
22 FIELD=MAN_SPEED, MSPEED, F5.1, 3 MANEUVERING SHIP SPEED (KTS)
23 FIELD=NO_ENGS_USED, NOENGSUSED, A1, 3 NUMBER OF ENGINES USED
24 FIELD=ENGINE_RPM, ENGRPM, A4, 3 ENGINE(S) RPM
25
26 SEGNAME=SPIRAL, PARENT=SPEED, SEGTYPE=S1
27 FIELD=SP_RUDD_ANGLE, SPRUDDANG, I3, 3 SPIRAL RUDDER ANGLE (DEGREES)
28 (NEGATIVE VALUE IS LEFT
29 POSITIVE VALUE IS RIGHT)
30
31 FIELD=YAW_RATE, YAWRATE, F6.2, 3 YAW RATE (DEG/SEC)
32 (NEGATIVE VALUE IS LEFT
33 POSITIVE VALUE IS RIGHT)
34
35 SEGNAME=ZIGZAG, PARENT=SPEED, SEGTYPE=U
36 FIELD=INIT_COURSE, INITCOURSE, A3, 3 INITIAL COURSE (DEG TRUE)
37 FIELD=RUDD_ANGLE_CHG, RUDDANGCHG, A4, 3 RUDDER ANGLE CHANGES (DEG) FROM INITIAL COURSE
38 FIELD=TIME_SEC_EXE, TIMESECEXE, I3, 3 TIME TO SECOND EXECUTE (SEC)
39 FIELD=PERIOD, PERIOD, I3, 3 AVERAGE PERIOD (SECONDS)
40 FIELD=OVERSHOOT1, OVSHOOT1, F4.1, 3 OVERSHOOT 1ST (DEG)
41 FIELD=OVERSHOOT2, OVSHOOT2, F4.1, 3 OVERSHOOT 2ND (DEG)
42 FIELD=OVERSHOOT3, OVSHOOT3, F4.1, 3 OVERSHOOT 3RD (DEG)
43 FIELD=OVERSHOOT4, OVSHOOT4, F4.1, 3 OVERSHOOT 4TH (DEG)
44
45 SEGNAME=TACTICAL, PARENT=SPEED, SEGTYPE=S1
46 FIELD=TA_RUDD_ANGLE, TARUDDANG, I3, 3 TACTICAL RUDDER ANGLE (DEGREES)
47 (NEGATIVE VALUE IS LEFT
48 POSITIVE VALUE IS RIGHT)
49
50 FIELD=ADVANCE, ADV, I4, 3 ADVANCE (FT)
51 FIELD=TRANSFER, TRANS, I4, 3 TRANSFER (FT)
52 FIELD=TACT DIAM, TACTDIAM, I4, 3 TACTICAL DIAMETER (FT)
53 FIELD=TURN_RADIUS, TURNRADIUS, I4, 3 TURNING RADIUS (FT)
54
55 SEGNAME=CRASH, PARENT=SPEED, TYPE=U

```

FIELD=STOP_METH, STOPMETH, A30, \$ STOP METHOD DESCRIPTION
FIELD=DIST_TO_STOP, DISTTOSTOP, I4, \$ DISTANCE TO STOP (FT)
FIELD=TIME_TO_STOP, TIMETOSTOP, I4, \$ TIME TO STOP (SEC)

\$ SEGNAME=ACCEL, PARENT=SPEED, SEGTYPE=U
FIELD=TIME_TO_SPO, TIMETOSPD, I4, \$ TIME TO REACH SPEED (SEC) FROM DIW
FIELD=DIST_TO_SPD, DISTTOSPD, I4, \$ DISTANCE COVERED (FT)

END

DATE

FILMED

8-88
DTIC